

ColorPASS-Z5000

PRINTING GUIDE

INCLUDES FIERY® SOFTWARE

Canon

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Preface

The ColorPASS-Z5000 Color Server™ enables you to use your color copier as a networked printer. You can use the ColorPASS-Z5000 Color Server to print final documents or to proof jobs you will later print on an offset press. You send a print job to the ColorPASS-Z5000 Color Server as you would to any other printer—you select it from the Printers dialog box on Microsoft Windows computers, or in the Chooser on Apple Mac OS computers—and then print from within any application.

NOTE: The ColorPASS supports the CLC5000 color copier. The term “copier” is used to refer to supported device.

The ColorPASS includes Command WorkStation™ software, which enables an operator to manage all jobs sent to the ColorPASS. Some of the job management features of the Command WorkStation are also available from Fiery WebSpooler™ and Fiery Spooler™. Although it may not be the case at all sites, it is assumed that an operator controls and manages jobs sent by users from remote workstations. For information on the features of the Command WorkStation, Fiery WebSpooler, and Fiery Spooler, see the *Job Management Guide*.

About this manual

This manual is intended for those remote users who send jobs via the network between their workstation and the ColorPASS. It covers the following topics:

- Printing from a Windows computer
- Printing from a Mac OS computer
- Printing from UNIX
- Using special features, such as printing press simulations, and scanning images from the copier using Adobe Photoshop and the Fiery Scan™ plug-in

- Downloading files and fonts using Fiery Downloader™
- Monitoring jobs and accessing information using Fiery WebTools™ and Fiery Link™
- Specifying and overriding job settings, a list of fonts installed on the ColorPASS, and troubleshooting information

About the documentation

This manual is part of a set of ColorPASS documentation that includes the following manuals for users and system administrators:

- The *Configuration Guide* explains basic configuration and administration of the ColorPASS for the supported platforms and network environments. It also includes guidelines for setting up UNIX, Windows NT 4.0, and NetWare servers to provide PostScript printing services to clients.
- *Getting Started* describes how to install software to enable users to print to the ColorPASS. Specifically, it describes installation of PostScript printer drivers, printer description files, and other user software provided on the User Software CD. It also explains how to connect each user to the network.
- The *Printing Guide* describes the printing features of the ColorPASS for users who send jobs via remote workstations on the network.
- The *Color Guide* provides information on managing the color output of your ColorPASS. It addresses concepts and issues associated with printing to the ColorPASS and outlines key workflow scenarios. This manual explains how to calibrate your copier and take advantage of the ColorWise® color management system, as well as features of ColorWise Pro Tools™. In addition, the *Color Guide* offers information on printing from popular Windows and Mac OS applications.
- The *Job Management Guide* explains the functions of the ColorPASS utilities, including the Command WorkStation, and how they can be used to manage jobs. This book is intended for an operator or administrator, or a user with the necessary access privileges, who needs to monitor and manage job flow and troubleshoot problems that may arise.
- *Release Notes* provide last-minute product information and workarounds for some of the problems you may encounter.

How the ColorPASS works

The ColorPASS receives files from computers on the network, processes (RIPs) those files, and then sends them to the copier's print engine for printing. Even with the ColorPASS installed, you can still use the copier to make copies.

Windows and Mac OS computers communicate with the ColorPASS by means of a PostScript printer driver and PostScript printer description (PPD) files. The driver enables you to use special features of the ColorPASS from the Print dialog box.

About printer drivers and PPDs

A printer driver manages printing communication between your application software and the printer. It interprets the instructions generated by the application software, merges those instructions with printer-specific PPD options you specify, and translates all that information into PostScript, a language the printer understands. In other words, the printer driver writes a PostScript file based on your original file and the options you set from the Print dialog box.

A PPD file contains information about a particular device's features and capabilities (for example, what paper sizes and media types are supported). The printer driver reads the information in the PPD file and presents that information to you in the form of options you can choose from the Print dialog box. The PPD for the ColorPASS includes information about the features of both the copier and the ColorPASS.

For information on the PPD options, see Appendix A, "Print Options."

Before you begin

Before using the ColorPASS, follow these steps:

1. **Confirm that the system administrator has completed Setup as described in the *Configuration Guide*.**
2. **Find out what printer defaults the administrator specified in Setup.**

These default settings can affect the results of your print jobs. Check with your administrator or operator for information on these default settings.
3. **Confirm that the user software is installed correctly on your workstation, as described in *Getting Started*.**
4. **Consult the *Color Guide* for information on print options and application features that affect color output.**
5. **Find out how your workstation is configured for printing on the network.**

If your site has an operator who controls all printing, you may have access to the Hold queue only. In this case, all jobs you send are spooled to the ColorPASS and held until the operator sends them to their next stage of processing.

You may also have access to the Print queue. If you send jobs to this queue, jobs spool to the ColorPASS and proceed to RIP and print according to your job settings—unless someone (you, or an operator, for example) intervenes.

Lastly, you may have access to the Direct connection, which sends jobs straight to the server without spooling.

6. **Find out whether the ColorPASS is set up to use Fiery WebTools and what your access privileges are.**

The administrator may or may not have enabled access to the server via the Internet (or an intranet). If access is enabled, a password may be required to utilize certain functions.

Chapter 1: Printing from Windows Computers

This chapter describes how to print to the ColorPASS from Windows 95/98/Me, Windows NT 4.0, and Windows 2000. You can print from a networked Windows computer or from a computer using Windows (SMB) printing. If you plan to print files at another location, you should follow the procedures described in “Saving files to print at a remote location” on page 1-28.

Another way to print from a Windows computer is to download PostScript, Encapsulated PostScript (EPS), or Portable Document Format (PDF) files using Fiery Downloader. Basic instructions are provided at the end of this chapter.

NOTE: For information on setting up the Windows environment for printing with Windows servers connected to the ColorPASS, see the *Configuration Guide*. For information on how to connect to the ColorPASS over the network, install printer drivers, and install the Fiery utilities, see *Getting Started*.

Printing from applications

Once you have installed the ColorPASS printer driver and set it to the proper port, as described in *Getting Started*, you can print directly from most Windows applications. Simply choose the Print command from within your application.

To achieve the best printing results from specific applications, see the *Color Guide*.

NOTE: The ColorPASS does not support printing single jobs that contain multiple page sizes.

Setting options and printing from Windows 95/98/Me

To print from Windows 95/98/Me, use the Adobe PostScript printer driver for Windows 95/98. The driver is included with the ColorPASS user software.

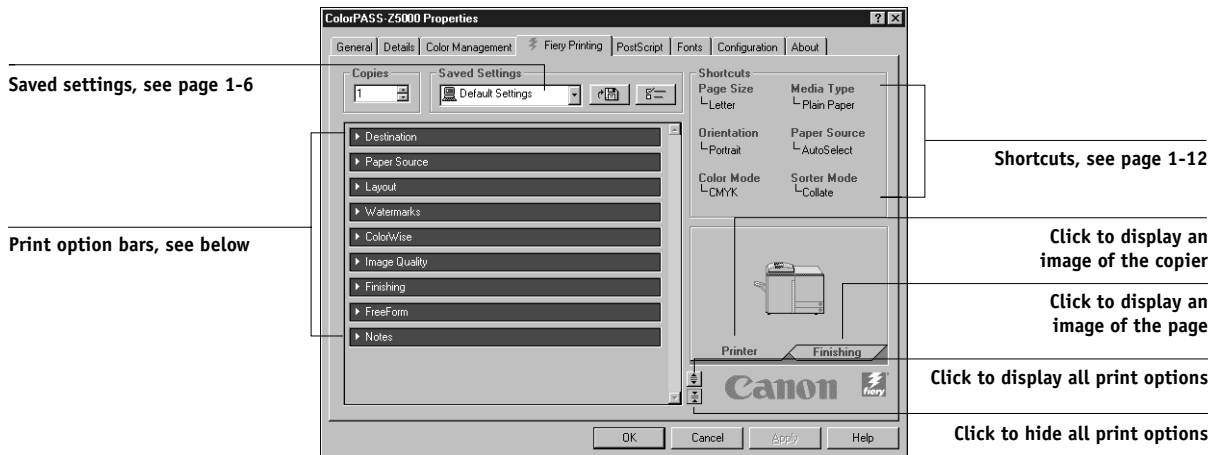
Once you have installed the Adobe PostScript printer driver and the PPD file, you can specify print settings for a particular job and print it to the ColorPASS.

To print from Windows 95/98/Me applications by connecting your computer to a print server via the network, one of the following is required: a NetWare server, a Windows NT server, or a UNIX server. For more information, see the *Configuration Guide*.

To print from Windows 95/98/Me applications without connecting to a print server, you can use SMB printing. For more information, see *Getting Started*.

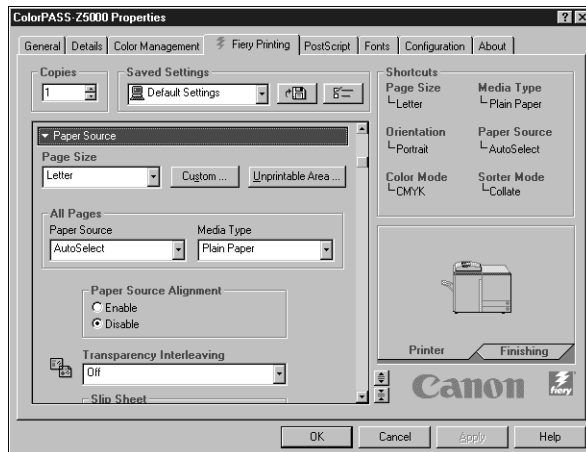
TO SET PRINT OPTIONS AND PRINT FROM WINDOWS 95/98/ME USING THE ADOBE POSTSCRIPT PRINTER DRIVER:

1. Click the Start button, point to Settings, and click Printers.
2. Select the icon for the ColorPASS and choose Properties from the File menu.
3. Click the Fiery Printing tab.



The Fiery Printing tab serves as the control center for all frequently used printing functions.

4. Click the Paper Source print option bar.



In the **Page Size** area, specify the page size for the job.

From the **Paper Source** pop-up menu, choose the paper drawer for the job. For example, you can specify that the job should be printed on pages from Drawer 1.

In the **Media Type** area, specify the type of media to use for the job.

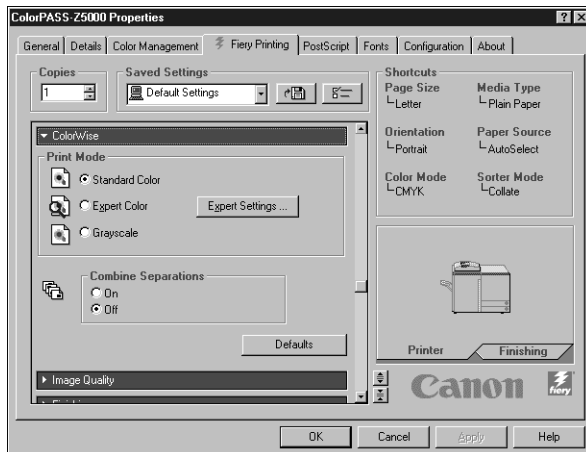
For more information on these and other print options, see Appendix A.

NOTE: If paper loaded in the selected drawer is a different size, orientation, and/or media type than that of the job you are sending, the ColorPASS displays an error message and the job might not print. You should then load the correct paper in the selected drawer or cancel the job. One exception is that when the Paper Source option is set to SB-Size Set at Copier, no error message is displayed. Be sure to load the appropriate paper in the SB (Stack Bypass) tray and select the correct paper size from the copier's touch panel display.

1

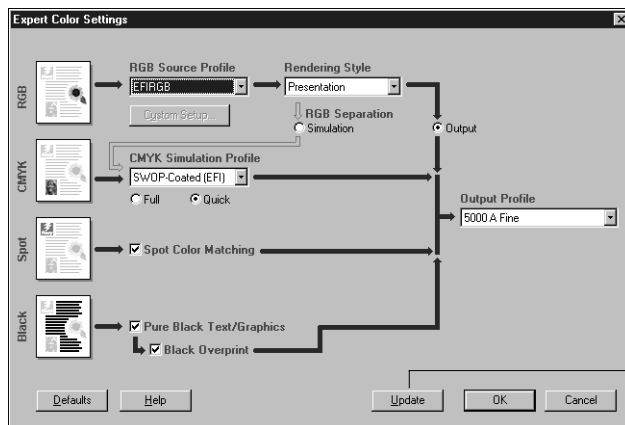
1-4 Printing from Windows Computers

5. Click the ColorWise print option bar.



In the **Print Mode** area, specify the color mode for the job. If you want to use any advanced color management features (such as **Rendering Style**), click Expert Settings and proceed to step 6, otherwise skip to step 8.

6. In the Expert Color Settings dialog box, click Update to display the current ColorPASS settings.



Click Update

If the Update button does not appear, make sure that two-way communication is set up as described in *Getting Started*.

7. Specify the color settings for the print job, then click **OK**.
8. Click the **Destination, Layout, Finishing, Watermarks, and Image Quality** print option bars to specify the appropriate settings for the print job.

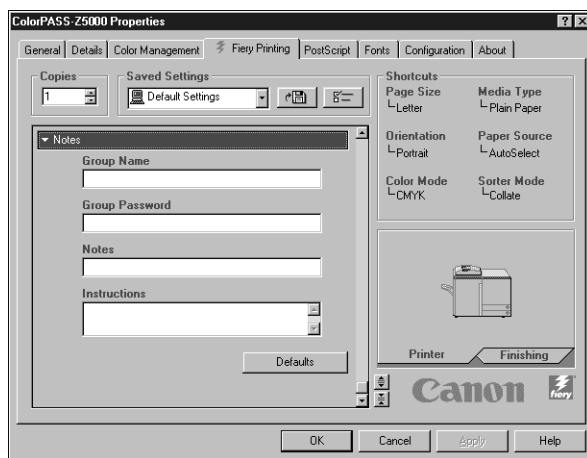
These print options are specific to the ColorPASS and the copier. They override settings in ColorPASS Printer Setup, but can be changed from Command WorkStation, Fiery WebSpooler, or Fiery Spooler. For information about these options and overrides, see Appendix A.

If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings. See Appendix A for more information.

NOTE: Some options listed in the printer driver could also be set from an application (for example, collation). In these cases, use the driver option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the ColorPASS and may also take longer to process.

NOTE: If you specify incompatible print settings, the Conflict dialog box may appear. Follow the on-screen instructions to resolve the conflict.

9. Click the **Notes** print option bar.



10. Enter the name specified for your group. The Group name is assigned by the ColorPASS Administrator.

The Administrator or Operator can edit the group name from the Command WorkStation Properties window.

11. **Enter the password specified for your group. The Group Password is assigned by the ColorPASS Administrator.**

The Administrator or Operator can edit the password name from the Command WorkStation Properties window.

NOTE: Group Name and Group Password options are not available when printing to the Direct connection.

12. **Enter text messages in the Notes area.**

Enter user and job identification information, or whatever information is required at your site.

The information you enter in these areas can be viewed by the operator at the Command WorkStation, Fiery WebSpooler, and Fiery Spooler, and also appears in the Job Log. It *cannot* be edited or erased by the operator.

13. **In the Instructions area, enter instructions to the operator about the job.**

These instructions can be displayed at the Command WorkStation, Fiery WebSpooler, and Fiery Spooler, but do not appear in the Job Log. These instructions *can* be edited by the operator.

14. **Click OK.**

15. **From your application, choose Print.**

Make sure the ColorPASS is selected as your current printer.

16. **Click OK.**

Using saved settings

Print option settings can be saved on your hard disk so you can easily load specifically configured settings for a particular job. Settings files can also be shared over a network, using the Import and Export features.

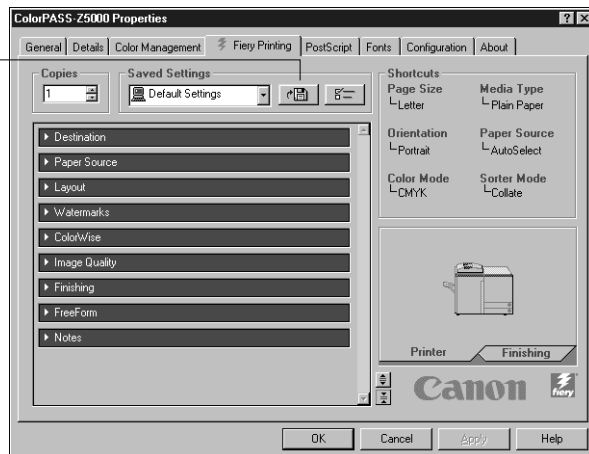
TO CREATE SAVED SETTINGS:

1. Make sure that **Default Settings** appears in the **Saved Settings** pop-up menu.
2. If you are using the **PostScript** driver, configure the options from all the print option bars.

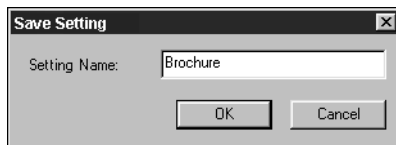
As soon as you change any settings, the Saved Settings menu displays **Untitled** instead of **Default Settings**.

3. Click the **Disk** button.

Click the Disk button



4. Using a maximum of 32 characters, enter a **Settings Name** and click **OK**.



The name appears in the Saved Settings pop-up menu.

TO LOAD SAVED SETTINGS:

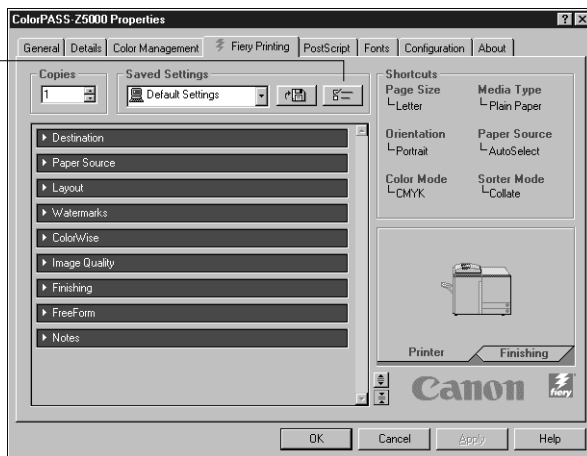
1. From the Fiery Printing tab, click in the Saved Settings pop-up menu.
2. Choose the settings you want to use.

The printer driver is automatically configured with the saved settings.

TO DELETE SAVED SETTINGS:

1. From the Fiery Printing tab, click the Saved Settings button.

Click the Saved Settings button



2. Select the settings you want to delete and click Delete.
3. Click Yes to confirm deletion, then click OK.

TO MODIFY SAVED SETTINGS:

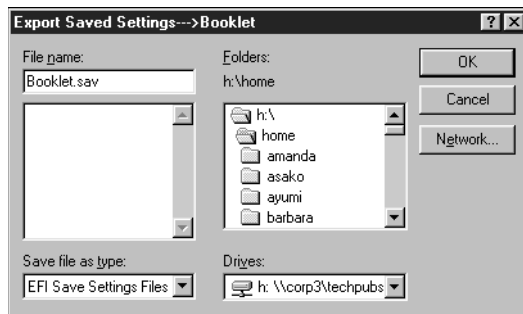
1. From the Fiery Printing tab, click the Saved Settings button.
2. Choose the settings you want to modify.
The printer driver is automatically configured with the saved settings.
3. Configure your new settings from the print option bars, then click the Disk button.
4. Click OK to save the modified settings.

TO EXPORT SAVED SETTINGS:

1. From the Fiery Printing tab, click the Saved Settings button.
2. Select the Saved Settings you want to export, then click Export.



3. Browse to the location where you want to save the file, enter a file name, then click OK.



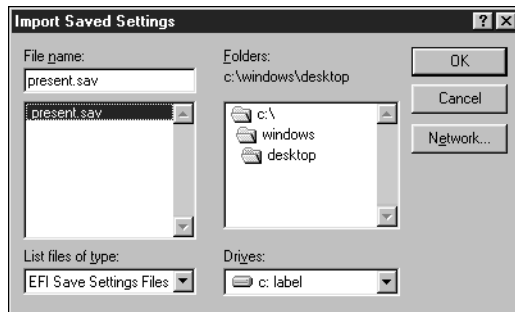
NOTE: The file name must include the .sav extension and can be up to eight characters long (not including the extension). The file name does not have to match the Settings Name.

4. Click OK in the Settings dialog box.

TO IMPORT SAVED SETTINGS:

1. From the Fiery Printing tab, click the Saved Settings button.
2. Click the Import button.
3. Browse to the location of the saved settings file you want to import.

4. Select the file, then click OK.



5. Click OK in the Settings dialog box.



NOTE: When you import saved settings, they appear in the Saved Settings menu under their Settings Name, not the file name. In the example above, the file present.sav (file name) was imported, but it appears in the Saved Settings menu as Presentation (Settings Name).

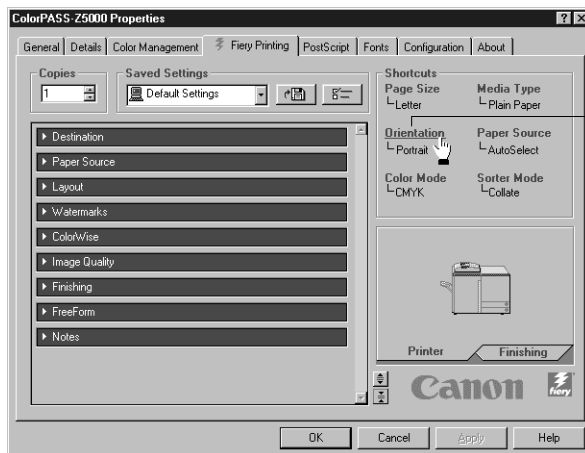
Using Shortcuts

The Shortcuts section of the driver interface displays the current settings for some of the most common print options. You can access and change these settings quickly and easily using the Shortcuts. You can also access some page layout and finishing options by clicking the Finishing tab, then right-clicking the image of the page directly below Shortcuts.

TO SET PRINT OPTIONS USING SHORTCUTS:

1. **From the Fiery Printing tab, place your cursor over the print option you want to set.**

When your cursor is directly over the print option name, the cursor turns into a hand and the option name is underlined; see the Orientation print option in the example below.



2. **Click the selected print option and specify the appropriate settings.**

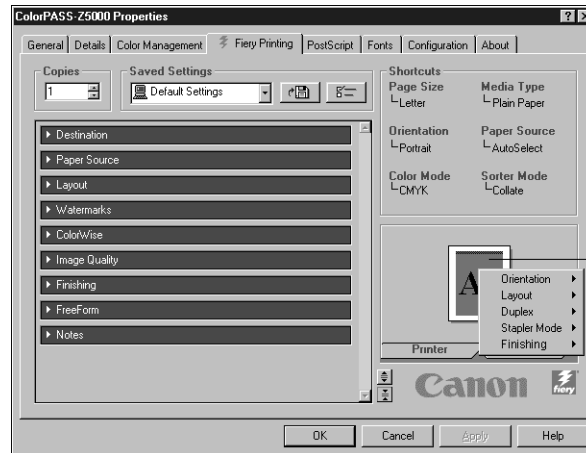
Alternatively, you can right-click the print option and specify the settings directly.

3. **Click OK.**

NOTE: If you set the Color Mode to CMYK, the Print Mode setting in the ColorWise print option bar is automatically set to Standard.

TO SET PRINT OPTIONS USING THE PAGE SHORTCUTS:

1. From the Fiery Printing tab, click the Finishing tab, then place your cursor over the image of the page directly below Shortcuts.



Right-click the page image

2. Specify the appropriate settings for the print options.
3. Click OK.

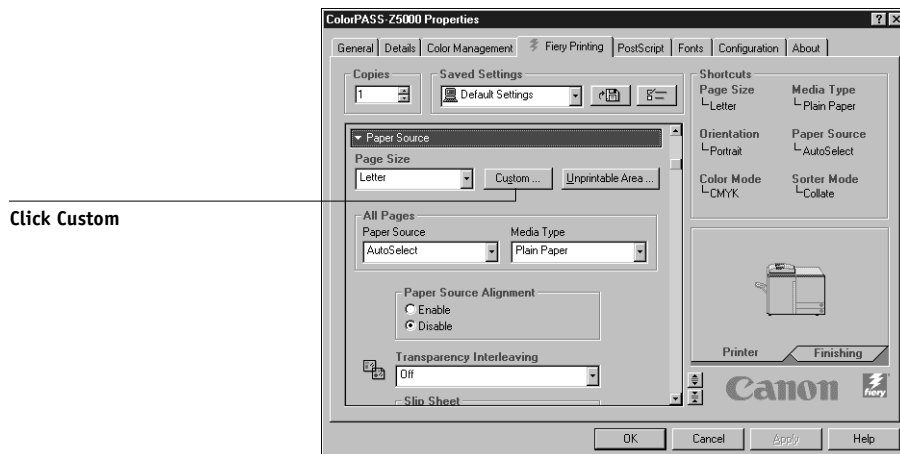
Working with custom page sizes in Windows 95/98/Me

With custom page sizes, you define the page dimensions and the unprintable area of the page. You can save three different custom page sizes for easy use any time you print.

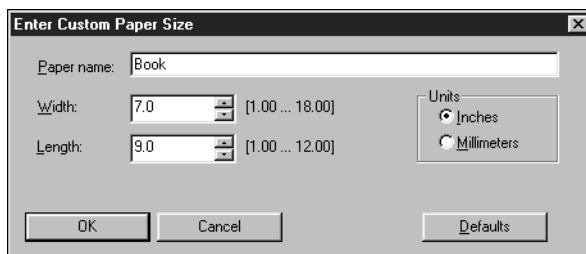
TO DEFINE A CUSTOM PAGE SIZE:

1. Click the Start button, point to Settings, and choose Printers.
2. Right-click the ColorPASS icon, then choose Properties.
3. Click the Fiery Printing tab, then click the Paper Source print option bar.

4. Click the Custom button.



5. Enter the name and the dimensions of the page, then click OK.



The new custom page name appears in the **Page Size** pop-up menu.

6. To define the unprintable area of the custom page, click the Unprintable Area button, enter the desired information, then click OK.
7. Click OK.

After you define a custom page size, you can use it from within an application, without having to redefine it each time you print.

TO PRINT A CUSTOM PAGE SIZE:

1. **Choose Print from your application.**
2. **Make sure the ColorPASS is selected as the printer, then click Properties.**
3. **Click the Fiery Printing tab, then click the Paper Source print option bar.**
4. **Select the custom page size from the Page Size pop-up menu.**
5. **Click OK and then click OK again to print the job.**

Setting options and printing from Windows NT 4.0

You can print from Windows NT 4.0 using the Adobe PostScript printer driver included on the User Software CD.

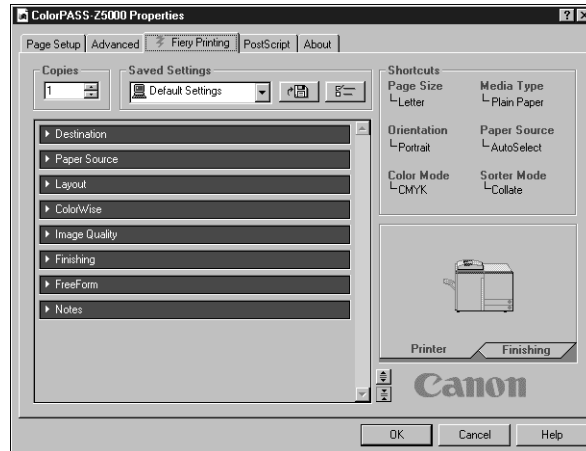
Once you have installed the Adobe PostScript printer driver and the PPD file, you can specify print options.

With the Adobe PostScript printer driver, you can set options on a job-by-job basis (see below).

**TO SET PRINT OPTIONS FOR A SPECIFIC WINDOWS NT 4.0 PRINT JOB
USING THE POSTSCRIPT PRINTER DRIVER:**

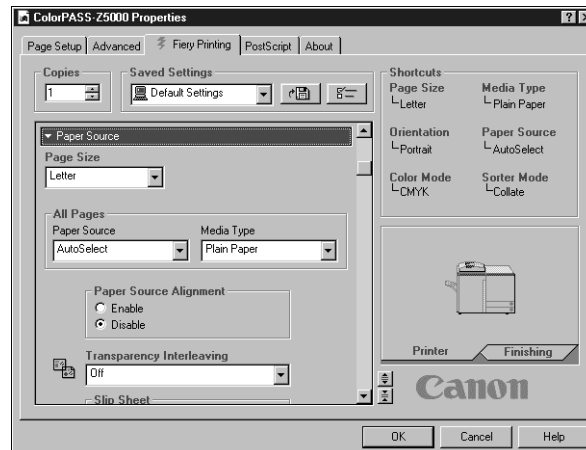
1. **Choose Print in your application.**
2. **Make sure the ColorPASS is selected as your printer and click Properties.**

3. Click the **Fiery Printing** tab.



The Fiery Printing tab serves as the control center for all frequently used printing functions.

4. Click the **Paper Source** print option bar and specify the appropriate settings for the print job.



In the **Page Size** area, specify the page size for the job.

From the **Paper Source** pop-up menu, choose the paper drawer for the job. For example, you can specify that the job should be printed on pages from Drawer 1.

In the **Media Type** area, specify the type of media to use for the job.

From the **Transparency Interleaving** menu, specify whether or not to print a Blank or Printed Interleave sheet between print job copies.

For more information on these and other print options, see Appendix A.

NOTE: If paper loaded in the selected drawer is a different size, orientation, and/or media type than that of the job you are sending, the ColorPASS displays an error message and the job might not print. You should then load the correct paper in the selected drawer or cancel the job. One exception is that when the Paper Source option is set to SB-Size Set at Copier, no error message is displayed. Be sure to load the appropriate paper in the SB (Stack Bypass) tray and select the correct paper size from the copier's touch panel display.

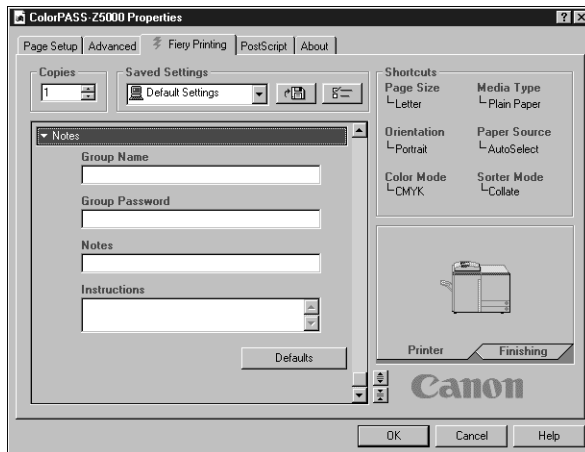
5. Click the Destination, Layout, ColorWise, Image Quality, Finishing, and FreeForm print option bars to specify the appropriate settings for the print job.

These print options are specific to the ColorPASS and the copier. They override settings specified in ColorPASS Printer Setup, but can be overridden from Command WorkStation using the job's Properties dialog box, or from Fiery WebSpooler or Fiery Spooler using the job's Override Print Settings dialog box. For information about these options and overrides, see Appendix A.

NOTE: Some options listed in the printer driver could also be set from an application (for example, collation). In these cases, use the driver option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the ColorPASS and may also take longer to process.

NOTE: If you specify incompatible print settings, the Conflict dialog box may appear. Follow the on-screen instructions to resolve the conflict.

6. Click the Notes print option bar.



7. Enter the name specified for your group. The Group name is assigned by the ColorPASS Administrator.

The Administrator or Operator can edit the group name from the Command WorkStation Properties window.

8. Enter the password specified for your group. The Group Password is assigned by the ColorPASS Administrator.

The Administrator or Operator can edit the password name from the Command WorkStation Properties window.

NOTE: Group Name and Group Password options are not available when printing to the Direct connection.

9. Enter text messages in the Notes area.

Enter user and job identification information, or whatever information is required at your site.

The information you enter in these areas can be viewed by the operator at the Command WorkStation, Fiery WebSpooler, and Fiery Spooler, and also appears in the Job Log. It *cannot* be edited or erased by the operator.

10. In the Instructions area, enter instructions to the operator about the job.

These instructions can be displayed at the Command WorkStation, Fiery WebSpooler, and Fiery Spooler, but do not appear in the Job Log. These instructions *can* be edited by the operator.

11. Click OK and then OK in the Print dialog box.

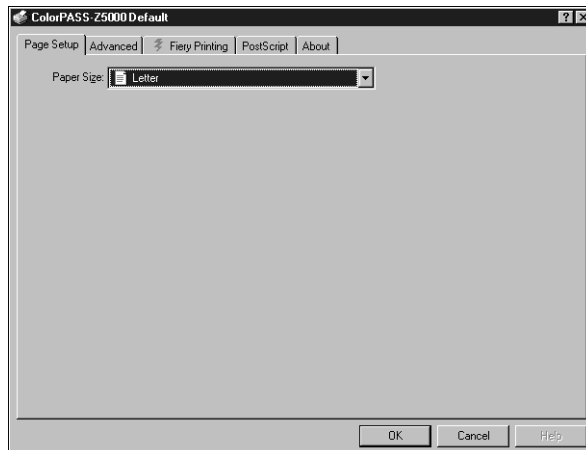
Working with custom page sizes in Windows NT 4.0

With custom page sizes, you define the page dimensions and the unprintable area of the page.

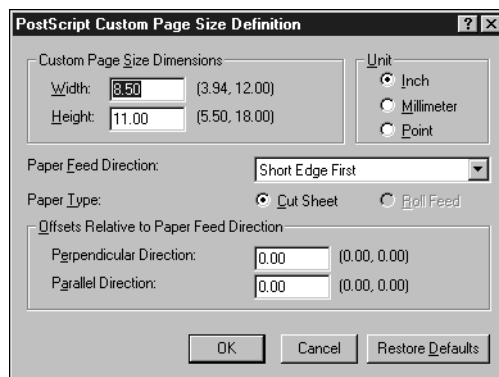
TO DEFINE A CUSTOM PAGE SIZE:

- 1. Click the Start button, point to Settings, and choose Printers.**
- 2. Right-click the ColorPASS icon, and choose Document Defaults.**
- 3. Click the Fiery Printing tab and click the Paper Source print option bar.**
- 4. From the Paper Source pop-up menu, select SB (Stack Bypass).**

5. Click the **Page Setup** tab, and click the **Paper Size** menu.



6. Select **PostScript Custom Page Size**.
7. Enter the dimensions of the page, then click **OK**.

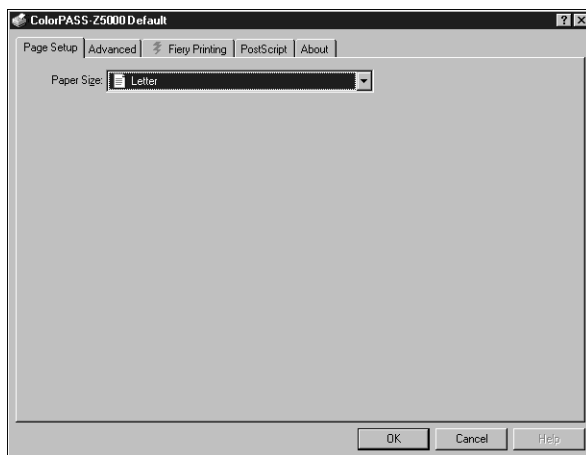


8. Click **OK**.

After you define a custom page size, you can use it from within an application without having to redefine it each time you print.

To EDIT A CUSTOM PAGE SIZE:

1. Click the Start button, point to Settings, and choose Printers.
2. Right-click the ColorPASS icon, and choose Document Defaults.
3. Click the Advanced tab and select Paper Size.



4. Select PostScript Custom Page Size.
5. Click the Edit Custom Page Size button.
6. Edit the dimensions of the page and click OK.

TO PRINT A CUSTOM PAGE SIZE:

1. **Choose Print from your application.**
2. **Make sure the ColorPASS is selected as the printer, and click Properties.**
3. **Click the Fiery Printing tab.**
4. **In the Paper Source tab, click Paper Source, and select SB (Stack Bypass).**
5. **Click the Page Setup tab.**
From the Page Size menu, select PostScript Custom Page Size.
6. **Click OK and then click OK again to print the job.**

Setting options and printing from Windows 2000

You can print from Windows 2000 using the Microsoft printer driver included with your Windows 2000 system, and the PostScript PPD included on the User Software CD.

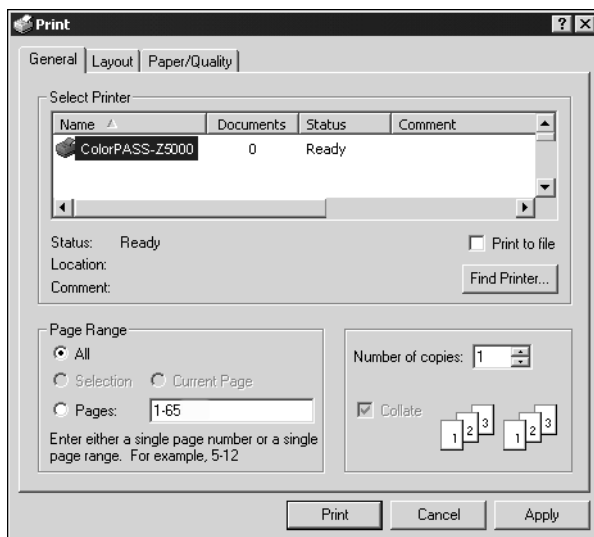
Once you have installed the printer driver and the PPD file, you can specify print options.

To print from Windows 2000 applications by connecting your computer to a print server via the network, one of the following is required: a NetWare server, a Windows NT server, or a UNIX server. For more information, see the *Configuration Guide*.

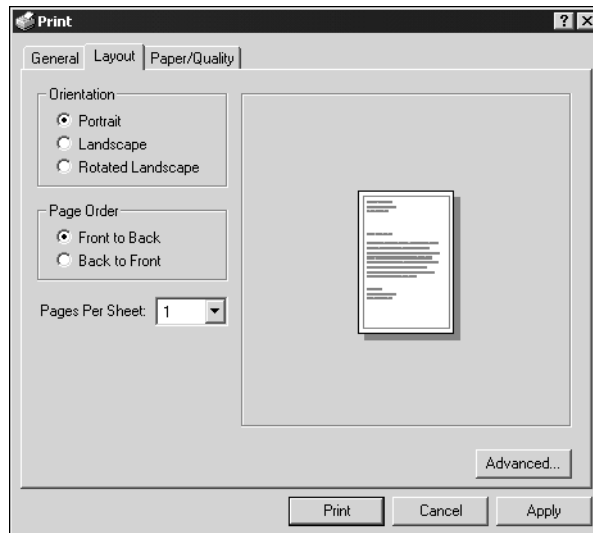
To print from Windows 2000 applications without connecting to a print server, you can use SMB printing. For more information, see *Getting Started*.

TO SET PRINT OPTIONS FOR A WINDOWS 2000 PRINT JOB USING THE MICROSOFT POSTSCRIPT PRINTER DRIVER:**1. Choose Print in your application.**

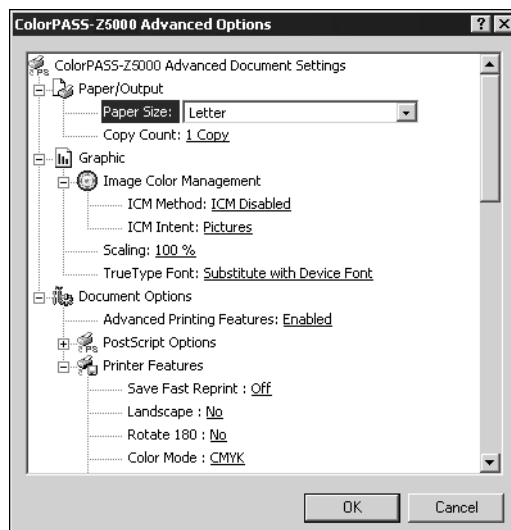
NOTE: The dialog box that appears may vary, depending on the application you are printing from.

2. Make sure the ColorPASS is selected as your printer.

3. Select print options from the Layout and Paper/Quality tabs.

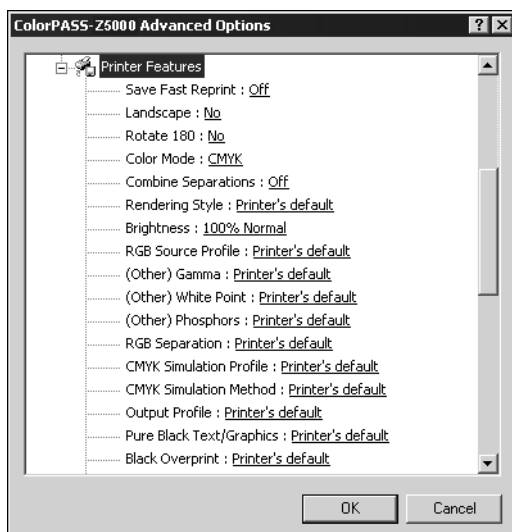


4. Click the Advanced button.



Select a setting from the **Paper Size** pop-up menu.

NOTE: If paper loaded in the selected drawer is a different size, orientation, and/or media type than that of the job you are sending, the ColorPASS displays an error message and the job will not print. You should then load the correct paper in the selected drawer or cancel the job. One exception is that when the Paper Source option is set to SB-Size Set at Copier, no error message is displayed. Be sure to load the appropriate paper in the SB (Stack Bypass) tray and select the correct paper size from the copier's touch panel display. Scroll down to Printer Features, and select the appropriate settings for the print job.



These print options are specific to the ColorPASS and the copier. They override settings in ColorPASS Printer Setup, but can be changed from Command WorkStation, Fiery WebSpooler, or Fiery Spooler. For information about these options and overrides, see Appendix A.

If you choose **Printer's default**, the job prints according to the settings entered during Setup, or default settings.

NOTE: As you select print options, incompatible print settings appear with a caution icon next to their names. If you specify incompatible print settings, the Incompatible Print Settings dialog box appears. Follow the on-screen instructions to resolve the conflict.

5. Click OK to close the Advanced Options dialog box.
6. Click OK to close the Document Properties dialog box.
7. Click OK to Print.

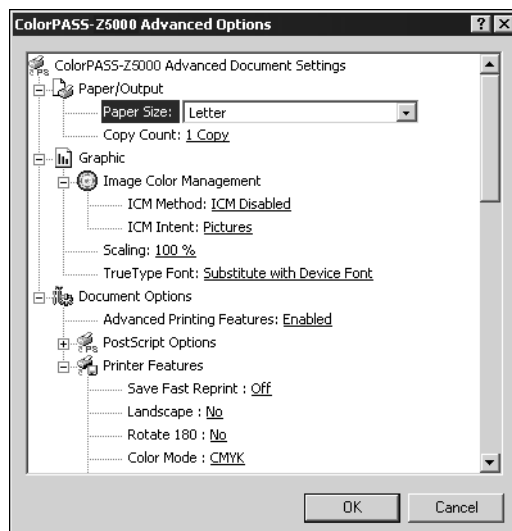
The job prints with the specified settings.

Working with custom page sizes in Windows 2000

With custom page sizes, you define the page dimensions of the page. You can save custom paper size for easy use any time you print.

TO DEFINE A CUSTOM PAGE SIZE:

1. Click the Start button, point to Settings, and choose Printers.
2. Right-click the ColorPASS icon, and choose Printing Preferences.
3. Click the Advanced button.



4. **Select PostScript Custom Page Size from the Page Size pop-up menu.**
5. **In the PostScript Custom Page Size Definition dialog box, specify the options to define the custom paper size.**
 - Custom Page Size Dimensions**—Specify the width and height of the print job.
 - Unit**—Specify the unit of measurement for the print job.
 - Paper Feed Direction**—Specify the paper feed direction of the print job.
 - Paper Type**—Specify the type of paper for the print job.
 - Offsets Relative to Paper Feed Direction**—Specify the offsets (margins) of the print job relative to the paper feed direction.
6. **Click OK to close the Advanced Options dialog box.**
7. **Click OK to close the Printing Preferences dialog box.**

After you define a custom page size, you can use it from within an application without having to redefine it each time you print.

TO PRINT A CUSTOM PAGE SIZE:

1. **Choose Print from your application.**
2. **Right-click the ColorPASS icon, and choose Printing Preferences.**
3. **Click the Advanced button.**
4. **Select PostScript Custom Page Size from the Page Size pop-up menu.**
5. **Verify the custom paper size settings, and click OK.**
6. **Click OK to close the Advanced Options dialog box.**
7. **Click OK to close the Printing Preferences dialog box.**
8. **Click Print.**

Saving files to print at a remote location

If you do not have a ColorPASS and are preparing files to take to a service bureau or other location, print the final files to the File port (as opposed to one of the local ports). You can also print to the File port to create a file to download using Fiery Downloader. For instructions on printing to the File port, see your Windows documentation.

Printing with Fiery Downloader

Downloading files with Fiery Downloader is generally faster than printing from application software. You can use Fiery Downloader to print PostScript, EPS, or PDF files.

TO PRINT USING FIERY DOWNLOADER:

1. **Create a PostScript, EPS, or PDF file. Specify the appropriate print options and include (embed) any necessary fonts that are not resident on the ColorPASS.**

For a list of fonts resident on the ColorPASS, see Appendix B.

2. **Launch Fiery Downloader and connect to the ColorPASS.**

For instructions on setting up Fiery Downloader, see *Getting Started*.

3. **Select the file(s) you want to download, and specify any necessary options.**

4. **Click Download File(s).**

For details, see Chapter 5, “Downloading Files and Fonts.”

Chapter 2: Printing from Mac OS Computers

You can print to the ColorPASS just as you would print to any other printer from any application software. First, select the ColorPASS as the current printer in the Chooser, and then print the file from within the application.

Another way to print from a Mac OS computer is to download PostScript, Encapsulated PostScript (EPS), or Portable Document Format (PDF) files using Fiery Downloader. Basic instructions are provided at the end of this chapter.

Printing from applications

Before you can print to the ColorPASS from applications, you must select the ColorPASS in the Chooser. Then, using the Adobe PostScript printer driver and the correct PostScript Printer Description file (PPD), you can control many ColorPASS printing features by specifying job settings from print dialog boxes.

For information on achieving the best printing results from specific applications, see the *Color Guide*.

NOTE: The ColorPASS does not support printing single jobs that contain multiple page sizes.

Selecting the ColorPASS in the Chooser

Before you print a job, make sure the ColorPASS is the currently selected printer.

NOTE: For information about setting up the ColorPASS in the Chooser, see *Getting Started*.

TO SELECT THE COLORPASS AS THE CURRENT PRINTER:

1. **Make sure the ColorPASS is connected to the network and turned on.**
2. **Choose Chooser from the Apple menu.**

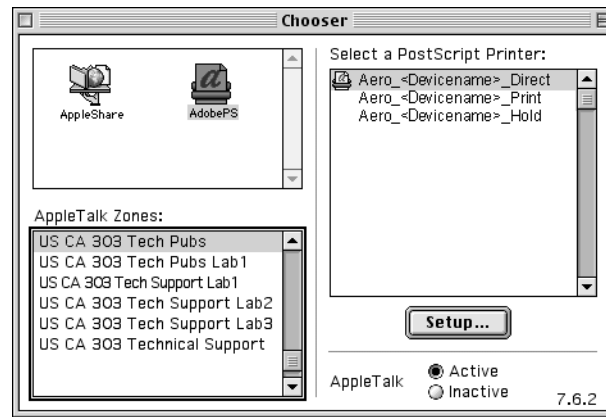
3. Click the AdobePS icon to select it.

NOTE: Make sure AppleTalk is set to Active.

4. If your network is divided into zones, select the zone in which the ColorPASS is located.

5. Select the ColorPASS by <Server Name>_<Device Name>_<Queue Name> from the “Select a PostScript Printer” list.

The names of all supported printers in the zone appear in the scroll list on the right.



NOTE: If your system administrator has not enabled the connection to the Print queue or the Direct connection, the corresponding names will *not* appear in this list. For example, if your site has an operator who controls the flow of print jobs from the Command WorkStation, you may be able to print only to the Hold queue. See the *Configuration Guide* for more information on enabling printer connections.

6. Close the Chooser window.

The ColorPASS remains selected as the current printer until you choose a new printer in the Chooser.

Setting options and printing from Mac OS computers

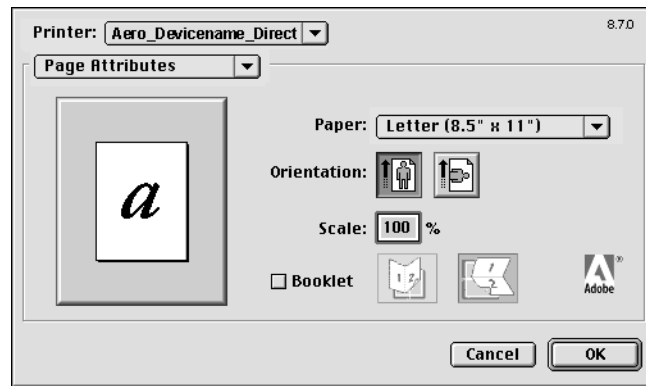
In Mac OS applications, print options are set from both the Page Setup dialog box and the Print dialog box. For details on specific print options, see Appendix A, “Print Options”.

NOTE: Some default print options are set by the administrator during Setup. Check with the administrator or the operator for information on the current server default settings.

TO SET PRINT OPTIONS AND PRINT WITH THE ADOBEPS PRINTER DRIVER:

1. Open a file and choose **Page Setup** from the application’s **File** menu.
2. In the dialog box that appears, specify the **Page Attributes** settings for your print job.

Make sure to select the ColorPASS as your printer.

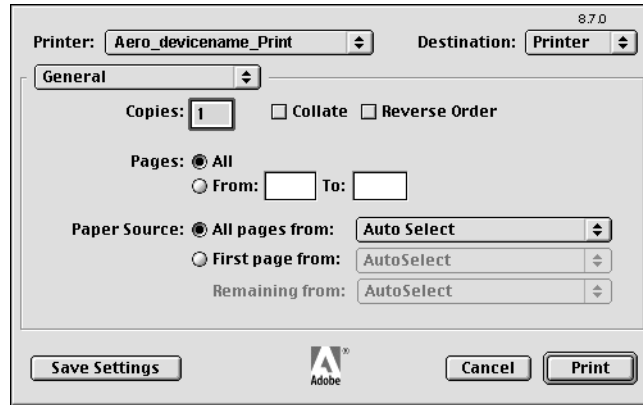


NOTE: Page Setup dialog boxes vary across applications.

3. Click **OK**.

4. Choose Print from the application's File menu.

Make sure the ColorPASS is selected as your printer and specify settings for the print options displayed.



NOTE: Print dialog boxes vary across applications.

From the **Paper Source** pop-up menu, choose the paper drawer for the job. For example, you can specify that the job should be printed on pages in Drawer 1.

NOTE: If paper loaded in the selected drawer is a different size, orientation, and/or media type than that of the job you are sending, the ColorPASS displays an error message and the job will not print. You should then load the correct paper in the selected drawer or cancel the job. One exception is that when the Paper Source option is set to SB-Size Set at Copier, no error message is displayed. Be sure to load the appropriate paper in the SB (Stack Bypass) tray and select the correct paper size from the copier's control panel.

5. Go to Job Notes.

Choose Job Notes from
the pop-up menu

Printer: Aero_Devicename_Print Destination: Printer 8.7.0

Job Notes

Group Name:

Group Password:

Notes:

Instructions:

Save Settings Cancel Print

Enter the name specified for your group. The **Group Name** is assigned by the ColorPASS Administrator.

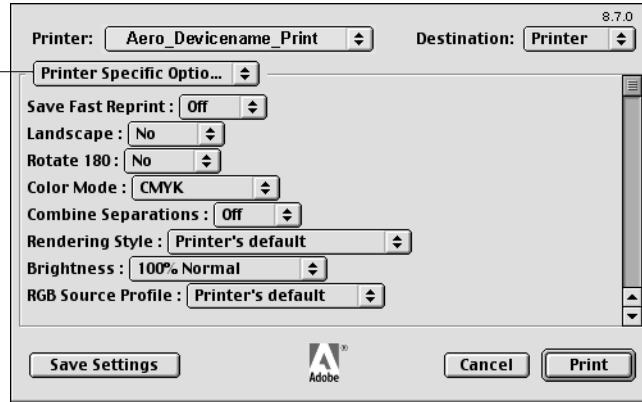
Enter the **Group Password** specified for your group. This is assigned by the ColorPASS Administrator.

In the **Notes** area, enter user and job identification information, or whatever information is required at your site. These notes will appear in the Job Log; they can also be viewed by the operator at the Command WorkStation Properties dialog box, or the Fiery WebSpooler or Fiery Spooler Override Print Settings dialog box. These notes *cannot* be edited or erased by the operator.

In the **Instructions** area, enter instructions to the operator about the job. These instructions can be displayed at the Command WorkStation, Fiery WebSpooler, or Fiery Spooler, but do not appear in the Job Log. These instructions can be edited by the operator.

6. Go to Printer Specific Options and specify the appropriate settings for your print job.

Choose Printer Specific Options from the pop-up menu



These print options are specific to the ColorPASS and the copier. They override settings in ColorPASS Printer Setup, but can be changed from the Command WorkStation, Fiery WebSpooler, or Fiery Spooler. For information about these options and overrides, see Appendix A, “Print Options”.

If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings. See Appendix A, “Print Options” for more information.

Some PPD options can also be set from an application (for example, Reverse Order printing or collation). In these cases, use the PPD option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the ColorPASS and may also take longer to process.

NOTE: If you specify incompatible print settings, a dialog box may appear. Follow the on-screen instructions to resolve the conflict.

7. If you want to make the new settings the default settings, click **Save Settings**.
8. Click **Print**.

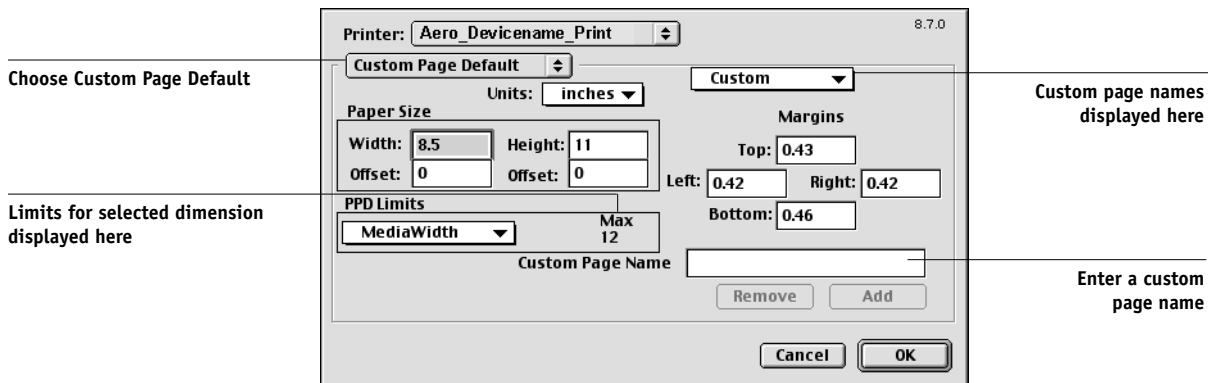
NOTE: The ColorPASS does not support printing the Cover Page from the AdobePS printer driver.

Defining custom page sizes

With custom page sizes, you define the page dimensions and margins. After you define a custom page size, you can use it from within an application, without having to redefine it each time you print.

TO DEFINE A CUSTOM PAGE SIZE:

1. Choose Page Setup from the application's File menu.
2. For Paper, choose Custom.
3. From the pull-down menu, choose Custom Page Default.



4. Enter the page dimensions and margins.

You can view the minimum and maximum sizes by using the pull-down menu under PPD Limits.

If you enter invalid sizes, an error message appears. Click Cancel and enter sizes specified within the PPD Limits.

5. To save this custom page size, enter a name for it and click Add.

Saved custom page sizes appear in the menu of page sizes at the top right of the dialog box. To remove a saved custom page size, select it from the menu and click Remove.

6. Click OK.

TO PRINT A CUSTOM PAGE SIZE:

1. **Choose Page Setup from the application's File menu.**
2. **For Paper, choose Custom.**
3. **Click OK.**
4. **Choose Print from your application's file menu.**
Specify your printing options.
5. **Click Print.**

Printing with Fiery Downloader

Downloading files with Fiery Downloader is generally faster than printing from an application. You can use Fiery Downloader to print PostScript, EPS, or PDF files.

TO PRINT USING FIERY DOWNLOADER:

1. **Create a PostScript, EPS, or PDF file. Specify the appropriate print options and include (embed) any necessary fonts that are not resident on the ColorPASS.**
For a list of fonts resident on the ColorPASS, see Appendix B, "Font List".
2. **Launch Fiery Downloader and connect to the ColorPASS.**
For instructions on setting up Fiery Downloader, see *Getting Started*.
3. **Select the file(s) you want to download, and specify any necessary options.**
4. **Click Download.**
For details, see Chapter 5, "Downloading Files and Fonts."

Chapter 3: Printing from UNIX Workstations

You can print to the ColorPASS directly from UNIX workstations. Jobs printed to the ColorPASS are sent to the Print or Hold queue and can be manipulated from the Command WorkStation or from Windows and Mac OS computers on the network using Fiery WebSpooler or Fiery Spooler.

NOTE: If you print to the Hold queue, an operator must intervene from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler for the job to print; jobs sent to the Hold queue are spooled to disk and held.

The queue name and ColorPASS printer name are determined by your system administrator. Contact your system administrator for the names of your queues.

For information about setting up printing from TCP/IP, see your UNIX system documentation.

Printing to the ColorPASS

You can use UNIX commands to print PostScript and text files to the ColorPASS. In general, use basic print commands (`lpr`, `lpq`, `lprm`) to send print jobs to a ColorPASS. See UNIX manual pages or other documentation for information about UNIX commands.

NOTE: Only PostScript or text files can be printed from UNIX.

TO PRINT FROM UNIX:

- **On a system running SunOS 4.1.x or another BSD-based variant, use the `lpr` command to send a job to the ColorPASS as follows:**

```
lpr <-Pprinter> <-#copies> <filename>
```

For example, if the Print queue of your ColorPASS is named `print_Server`, your file is named `Sample`, and you want to print two copies, type:

```
lpr -Pprint_Server -#2 Sample
```

- **On a system running Solaris 2.x or any System V implementation of UNIX, use the `lp` command to send a job to the ColorPASS as follows:**

```
lp -d <prntername> {-n <copies>} <filename>
```

For example, if the Print queue of your ColorPASS is named `print_Server`, your file is named `Sample`, and you want to print two copies, type:

```
lp -d print_Server -n 2 Sample
```

TO DISPLAY A LIST OF JOBS IN THE QUEUE:

- **On a system running SunOS 4.1.x or another BSD-based variant, use the `lpq` command to see printer jobs in the queue as follows:**

```
lpq <-Pprinter>
```

For example, if the Print queue of your ColorPASS is named `print_Server`, type:

```
lpq -Pprint_Server
```

Your workstation displays the contents of the queue.

- **On a system running Solaris 2.x or any System V implementation of UNIX, use the `lpstat` command to see printer jobs in the queue as follows:**

```
lpstat -o <prntername>
```

For example, if the Print queue of your ColorPASS is named `print_Server`, type:

```
lpstat -o print_Server
```

Your workstation displays the contents of the queue.

TO REMOVE JOBS FROM THE QUEUE:

NOTE: Unless you log in as the root user, you can remove only your own jobs.

- **On a system running SunOS 4.1.x or another BSD-based variant, use the `lprm` command to remove jobs from the queue as follows.**

```
lprm <-Pprinter> <job #...>
```

You can use the `lpq` command to check the job number.

For example, to remove job number 123 from the Print queue of your ColorPASS named `print_Server`, type:

```
lprm -Pprint_Server 123
```

The `lprm` command reports the names of any files it removes.

- **On a system running Solaris 2.x or any System V implementation of UNIX, use the `cancel` command to remove jobs from the queue.**

```
cancel <printername> <job ID>
```

For example, to remove job number 123 from the Print queue of your ColorPASS named `print_Server`, type:

```
cancel print_Server 123
```


Chapter 4: Special Features

This chapter describes some of the special features supported by the ColorPASS including:

- Printing variable data documents using FreeForm™ Printing simulations
- Printing duplex pages
- Scanning images from the copier using Fiery Scan

Printing variable data documents with FreeForm

Variable data printing is typically used for direct-mail advertising or other targeted mailings. It involves combining a set of master elements that are common across copies of a document with a set of variable elements that change from copy to copy. An example is a brochure that greets customers by name and may include other personal information about the customer obtained from a marketing database. Background elements, illustrations, and text blocks that do not change across copies of the brochure comprise the master elements. The customer's name and other customer-specific information comprise the variable elements.

How FreeForm works

The basic premise of FreeForm variable data printing is that the master-element data for the job can be sent to the ColorPASS and rasterized separately from the variable-element data. The master-element data is stored on the ColorPASS in prerasterized form as a FreeForm Master, and can be used as often as needed with multiple sets of variable-element data. Because the FreeForm Master job is preRIPped and stored on the ColorPASS, the only RIP time required for variable data print jobs is the time needed to RIP the variable-element data. In fact, FreeForm Masters can be used for any fixed-element data that you might combine with different data from day to day. For example, a letterhead template can be stored as a FreeForm Master and used repeatedly as the background for different letter content (the variable-element data).

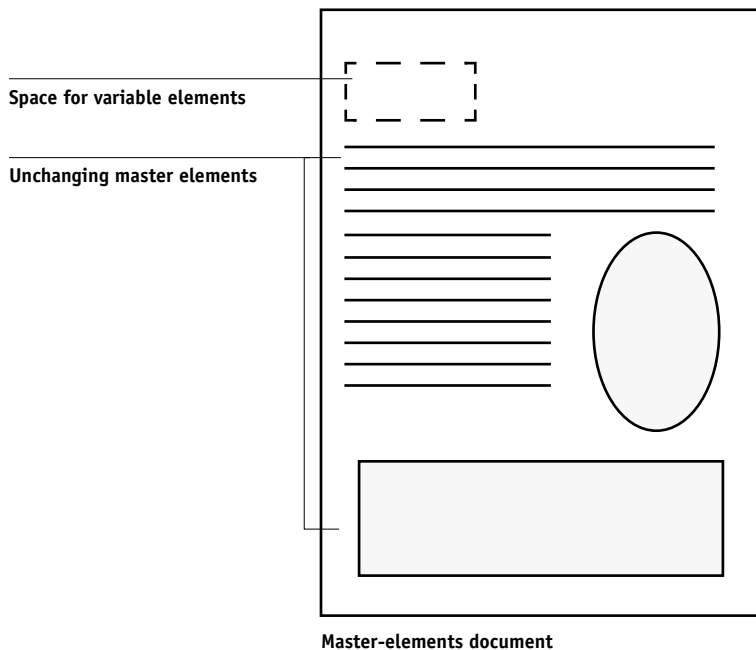
FreeForm allows you to create the master-element and variable-element documents using any application you wish. The two documents can be created using different applications, or even different computer platforms. To create the master-elements

document, you can use a page layout or graphics application. To create the variable-elements document, you can use a word processing application that has a mail merge feature, a page layout application that supports scripting, or a database application.

FreeForm functions are controlled with two print options: Create Master and Use Master. You can set these options in the printer driver when you send a job, or you can instruct the operator to set them with job overrides from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler.

Creating the master-elements document

Before you can use FreeForm, you must create a master-elements document and a variable-elements document. This includes creating the layout for the combined document as well as the elements themselves. In a page layout or graphics program, you arrange the master elements (text and graphics that do not change) on one or more pages, leaving space for the variable elements.

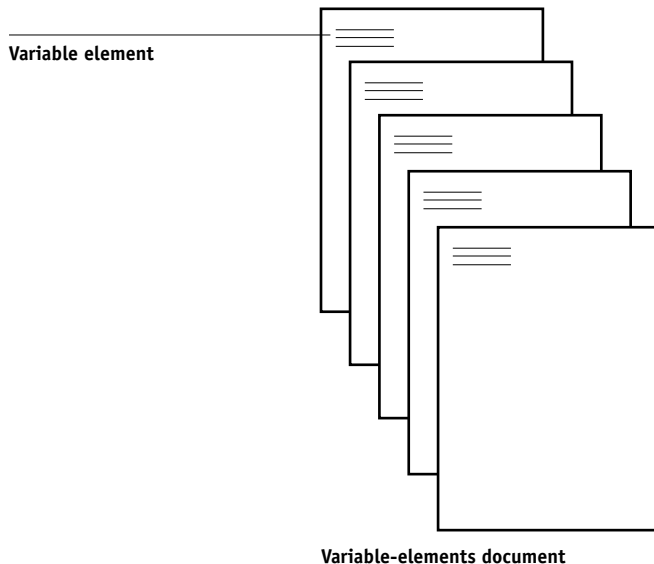


When you have finalized the design of the master-elements document, print it to the ColorPASS and specify that a FreeForm Master is to be created from the job (see page 4-7).

NOTE: Although the ColorPASS can store up to 100 FreeForm Masters, the printer driver interface, Fiery WebSpooler, and Fiery Spooler allow you to select numbers 1 through 15 only. To create a FreeForm Master with a number greater than 15, the operator must set the Create Master and Use Master options and RIP the job from the Command WorkStation.

Creating the variable-elements document

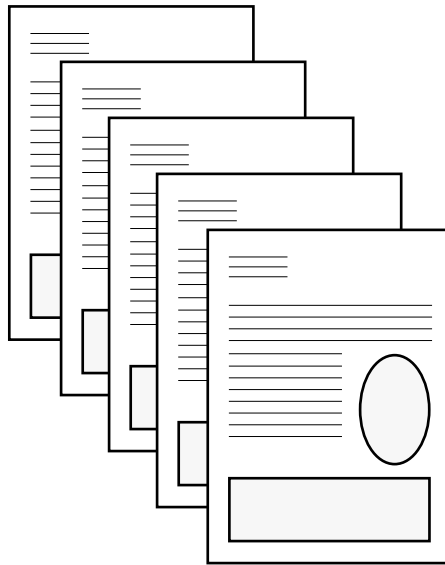
You can create the variable-elements document with a word processing application that provides a mail merge function, a database application, or a page layout application that supports scripting. In all cases, information is taken from a list or database and merged into an existing document that is set up to accept the information. Each application has different controls for this function; see the application documentation for detailed instructions. Before the variable elements can be added to the master-elements document, they must be formatted to conform to the layout of the master-elements document. This is done by creating a document with the correct formatting and then adding the variable information in the appropriate places.



When you have created the variable-elements document, print it to the ColorPASS and specify that it should be combined with the corresponding FreeForm Master.

Combining the FreeForm Master with the variable-elements document

When you print the variable-elements document to the ColorPASS, you specify the FreeForm Master created from your master-elements document with the Use Master print option. The ColorPASS combines the raster data of the variable-elements document with the preRIPped FreeForm Master, creating a new raster data file. The merged raster file can be soft-proofed (before it is printed) in the Thumbnail windows of the Command WorkStation, Fiery Spooler, or Fiery WebSpooler.



Combined document

Using FreeForm

This section provides some suggestions to help you print variable data jobs correctly.

- Consult your administrator or operator on how FreeForm Master numbers are assigned at your site.

If FreeForm printing is used by a large number of users at your site, FreeForm Master numbers, or ranges of numbers, may be assigned to specific users or groups. Users can select only numbers 1 through 15 as print option settings. The operator can override FreeForm Master numbers and reassign them to numbers greater than 15 from the Command WorkStation. You may want the operator to assign all FreeForm Master numbers to avoid potential conflicts in the use of FreeForm Master numbers.

- Use the Job Notes and Instructions fields to communicate instructions about your job to the operator.

If you want to create or use a FreeForm Master number greater than 15, these fields can be used to tell the operator to override the appropriate job setting (Create Master or Use Master) and RIP the job from the Command WorkStation.

- Give your jobs unique and descriptive names.

Both you and the operator need to be able to easily identify your jobs if there are many jobs in the queue, the FreeForm Master numbers are reassigned, or you want to refer to another job in the Job Notes or Instructions fields.

- See Appendix A, “Print Options” for restrictions on print option settings when using FreeForm.

The following settings for the master-elements document and variable-elements document must match:

- Color Mode
- Combine Separations
- Compression (must be set to **On**)
- Duplex
- Landscape (Orientation)
- Page Size
- Page Order

NOTE: If the Duplex print settings for the master-elements document and variable-elements document do not match, depending on the orientation of the print job, the job will print without an error.

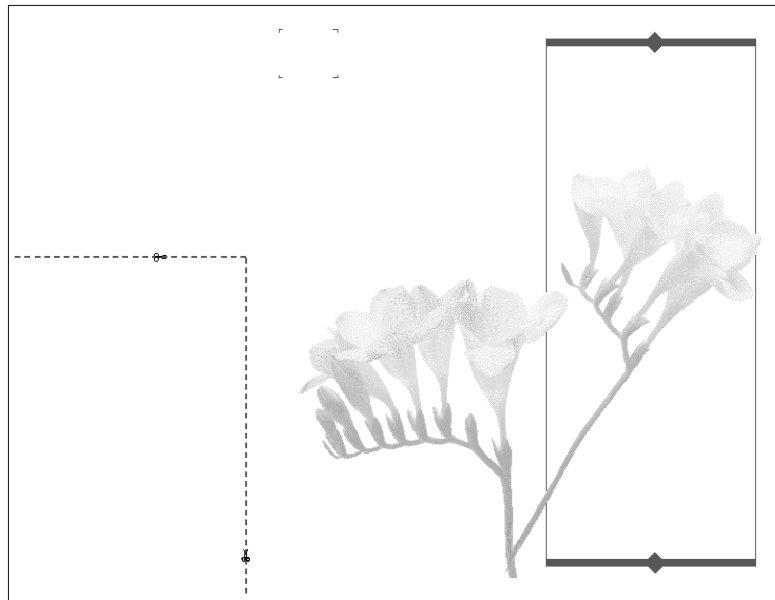
The following settings for the variable-elements document override the corresponding settings in the master-elements document:

- Black Detection
- Copier Mode
- Media Type
- Paper Source
- Save Fast Reprint
- Slip Sheet
- Sorter Mode
- Stapler Mode

TO PRINT VARIABLE DATA DOCUMENTS:**1. Create a master-elements document.**

The master-elements document can comprise multiple pages.

The example below shows one page of a master-elements document for a tri-fold brochure which was created with a page layout application.

**2. Print the master-elements document to the ColorPASS with the Create Master print option set to one of the FreeForm Master numbers (1 through 15).**

Or, set the Create Master option to None and instruct the operator to use overrides to create a FreeForm Master from this job.

3. Create the variable-elements document.

You can create the variable-elements document using a different file, a different application, or a different computer platform than was used to create the master-elements document, but some print options must be the same (see page 4-6 for details).

The example below shows one page of the variable-elements document for the tri-fold brochure. The data in this document can be as simple as a name and address, or as complex as multiple, full-color graphics and photographic elements.

Luis,

Thank you for expressing interest in the Garden Tea Rooms of San Francisco.

Our records indicate that you will be staying in the Hyatt Regency Hotel from December 12 to December 15, 1999.

Based on your request, we have included a coupon for a serving of Crumpets and Scones below, along with a map of the closest tea room to your hotel. We hope you enjoy your stay in the Bay Area.


Cheers!

San Francisco Garden Tea Rooms


Luis Echeverria
1000 Broadway
Andover, MA 01810

Free Crumpets

This coupon entitles you, Luis Echeverria, to a complimentary serving of Scones at



THE KING GEORGE
334 Mason Street at Geary



Please present this coupon at the time of purchase.
Offer expires: 12/31/99.

Luis
the information
you requested
is enclosed!

What could be nicer
than a pot of hot tea
with sandwiches and
sweets
in a lovely
garden setting?

Garden Tea Rooms of San Francisco
23 Devonshire Boulevard
San Francisco, CA 94110

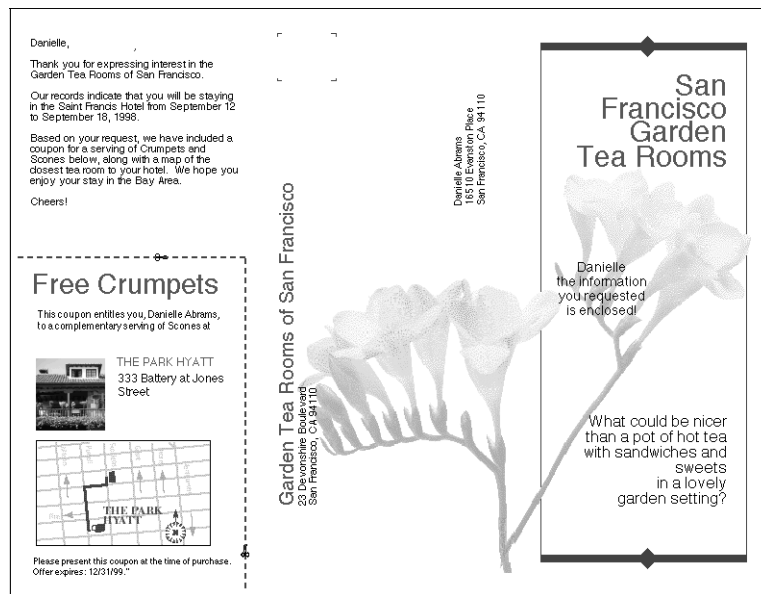
4. Print the variable-elements document to the ColorPASS with the Use Master print option set to the appropriate FreeForm Master number.

The FreeForm Master number may be one you set yourself when you sent the master-elements document or it may be one that was assigned by the operator.

FreeForm Master numbers can be overridden from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler. Check with the operator to make sure that the FreeForm Master number you specify is the correct one for the FreeForm Master you want to use.

If you want to check the job before it prints, instruct the operator to RIP and Hold the job so that you can preview it from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler.

The example below shows the FreeForm Master and variable-elements document combined. The variable data is simply overlaid on the master-elements document.



Printing simulations

You can use the ColorPASS to proof offset press jobs or to simulate the output of other print devices by specifying settings for two print options: CMYK Simulation Profile and CMYK Simulation Method. These options affect CMYK data only.

The ColorPASS provides CMYK Simulation targets for the major international press standards: SWOP, DIC, and Euroscale. You can also create, save, and import custom simulation profiles using ColorWise Pro Tools (see the *Color Guide*).

- When printing simulations on the ColorPASS, choose the CMYK Simulation Profile setting corresponding to the press standard for which the CMYK data was prepared, or choose a custom simulation profile.
- To simulate the color of a copy made from the copier glass, choose the Match Copy setting. This setting bypasses ColorPASS calibration.

Use the CMYK Simulation Method print option to specify the quality of simulation desired: Quick or Full. For more information, see the *Color Guide*.

Printing duplex pages

You can use the ColorPASS to print double-sided (duplex) pages.

TO PRINT DUPLEX PAGES:

1. **When specifying print options, set Duplex to the desired setting.**

Top-Top prints both sides using the same top edge; **Top-Bottom** prints the back side upside-down. The **Manual** setting produces different results depending on how you place the pages in the SB (Stack Bypass) tray. See “Duplex” on page A-16 for more information.

2. **Set other options and click OK.**
3. **Click Print.**

Scanning from the copier

With the Fiery Scan plug-in module for Photoshop, you can scan an image from the copier glass directly into Photoshop on your computer.

Additionally, with the Fiery Scan plug-in module, you can scan an image or document directly into the following applications:

- Adobe Photoshop 5.0 LE (Limited Edition)
- Adobe Acrobat 4.0 or 4.05 (Windows only)
- Imaging for Windows 98 (Windows only)
- CanoBureau Workgroup series (V2.1 or later)

The following requirements and constraints apply:

- The Fiery Scan plug-in must be installed as described in *Getting Started*.
- In Photoshop 5.x's RGB Setup, use the EFIRGB ICC (Mac OS) or EFIRGB.icm (Windows) settings. See *Getting Started* for information on loading this file.

Fiery Scan color conversion settings

Fiery Scan offers two color conversion choices for scanned data:

- **Calibrated RGB** creates an RGB scan optimized for printing with ColorPASS Rendering Styles (CRDs) or ICC profiles, as well as for viewing on the monitor.
- **Match Copy** creates a CMYK scan that, when printed on the ColorPASS, looks like a copy of the original made with the copier.

Using Fiery Scan

With Fiery Scan, you first create a prescan of the image; then you can select part, or all, of the prescan for final scanning.

NOTE: The Windows and Mac OS versions of Fiery Scan are fundamentally the same; differences are noted in this section. Where both windows or dialog boxes are illustrated, the Windows version comes first, followed by the Mac OS version.

NOTE: The following procedure describes scanning from Adobe Photoshop.

TO PRESCAN A DOCUMENT:

1. **Launch Photoshop.**
2. **Place the original you want to scan on the copier glass.**
3. **In Photoshop's File menu, point to Import, and click Select TWAIN_32 Source (Windows) or Fiery Twain Select (Mac OS).**
4. **Select Fiery Scan in the window that appears, and click Select (Windows) or OK (Mac OS).**
5. **In the File menu, point to Import, and click TWAIN_32 (Windows) or Fiery Twain Acquire (Mac OS).**
6. **Select the ColorPASS in the Chooser window, and click OK (Windows) or Connect (Mac OS).**

If the ColorPASS does not appear in the Windows Chooser list, you must configure the Chooser list to communicate with the ColorPASS. For instructions, see *Getting Started*.

7. **Select the appropriate settings in the Fiery Scan dialog box.**

Prescan size—Choose the paper size of the original from the pop-up menu.

Resolution—Specify a value for the resolution. Changing the resolution also changes the image size. The maximum resolution supported by the ColorPASS appears in the dialog box.

Scan Mode (Full Color, Grayscale, or Black & White)—Specify the type of scan you want.

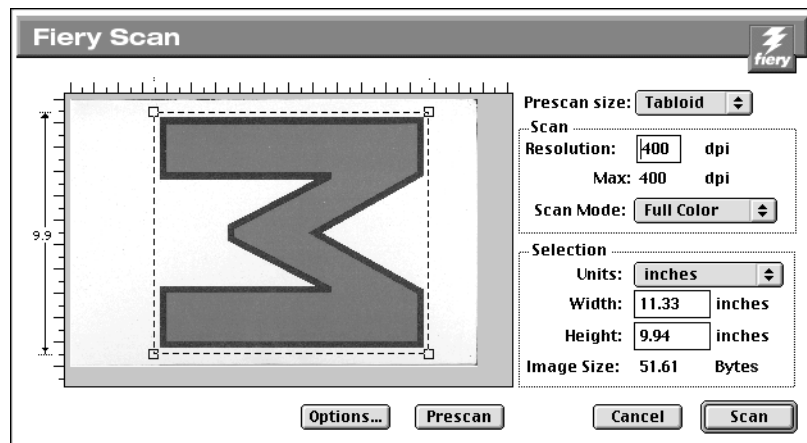
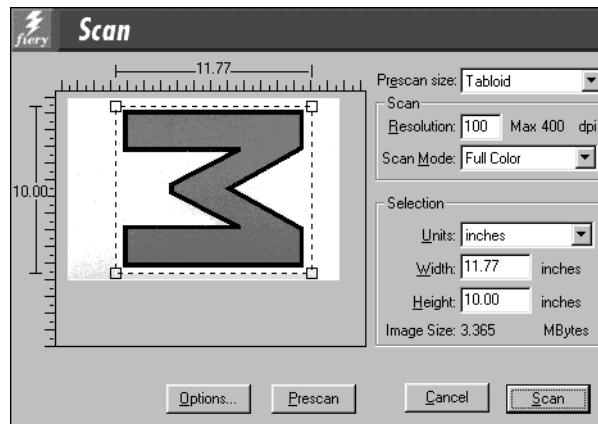
8. **Click Prescan.**

The prescan image appears on the left side of the dialog box.

NOTE: After prescanning, you must complete the scan before the ColorPASS is able to begin RIPping and printing any new jobs.

TO SELECT OPTIONS AND COMPLETE THE SCAN:

1. Drag the cursor to select the area of the prescan image that you want to acquire, or enter the area to acquire in the Selection area.



In the Selection area, you can specify:

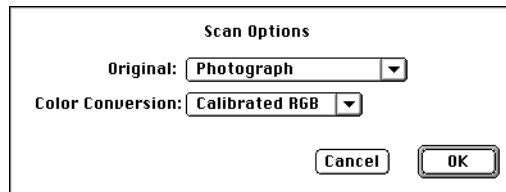
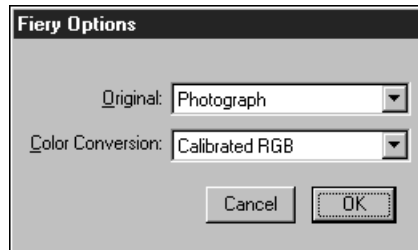
Units (inches, centimeters, picas, points, cicerós, or pixels)—Specify the ruler units that appear around the preview image.

Width and Height—Enter the width and height of the area to scan; or, select an area of the page with the selection marquee. If you use the marquee to select the scan area, the dimensions appear in these text boxes. If you do not specify a scan area, the default is to acquire the entire scan.

To select a portion of the image using the marquee, you can move the selection marquee around by positioning the Hand tool inside the marquee and dragging the marquee to a new location. You can change the size of the frame by clicking and dragging one of the handles on the corners of the selection frame. If you want to deselect the area you have selected, double-click anywhere.

The ColorPASS scans at a maximum resolution that is dependent on the size of the selected area. When you select an area to be scanned, Fiery Scan displays the maximum resolution possible for that area. You can enter a dpi value which is less than the maximum resolution.

2. Click **Options** to display the **Fiery Options** dialog box (Windows) or **Scan Options** dialog box (Mac OS).



Original—Select the resampling interpolation method to use. In general, you should choose **Photograph** if you are scanning a continuous tone photographic image and **Offset Print or Copy** if you are scanning a printed document. The **Offset Print or Copy** mode takes slightly more time but reduces moiré patterns in scans.

Color Conversion—Use **Calibrated RGB** if you will print the image using a ColorPASS Rendering Style (CRD). Use **Match Copy** to match the colors in a copy made by the copier as closely as possible, assuming that you are going to print the image to the same copier and you do not want to use a Rendering Style. Also see “Fiery Scan color conversion settings” on page 4-11.

3. Select the appropriate settings and click OK.

4. Click Scan in the main window to acquire the scan.

The progress bar displays how much of the image has been processed. You can click **Esc** (Windows) or **Command-.** (Mac OS) to cancel acquiring the scan.

When the scan is acquired, the scanned image is displayed in Photoshop.

Chapter 5: Downloading Files and Fonts

Fiery Downloader allows you to send PostScript, Encapsulated PostScript (EPS), and Portable Document Format (PDF) files directly to the ColorPASS without using the application they were created in. It also enables you to manage printer fonts on the ColorPASS.

You can use Fiery Downloader from a remote workstation as well as from the Command WorkStation. Fiery Downloader requires a network connection. For information on installing and configuring Fiery Downloader and on supported networking protocols, see *Getting Started*.

NOTE: The Windows and Mac OS versions of Fiery Downloader are fundamentally the same; differences are noted in this section. Where both windows or dialog boxes are illustrated, the Windows version comes first, followed by the Mac OS version.

Using Fiery Downloader

You can use Fiery Downloader to:

- Print PostScript, EPS, and PDF files to the ColorPASS
- Check the status of the ColorPASS
- Manage the printer fonts stored on the ColorPASS hard disk (this feature requires that the Direct connection is published on the ColorPASS)

NOTE: Fiery Downloader was designed specifically for the ColorPASS; you cannot use it with any other printer. You can use standard LaserWriter downloaders, such as the Adobe Font Downloader, with the ColorPASS.

TO VIEW INFORMATION WITH FIERY DOWNLOADER:

1. Double-click the Fiery Downloader icon or choose Fiery Downloader from the Start>Programs menu.
2. Select the ColorPASS in the Chooser window, and click OK (Windows) or Connect (Mac OS).

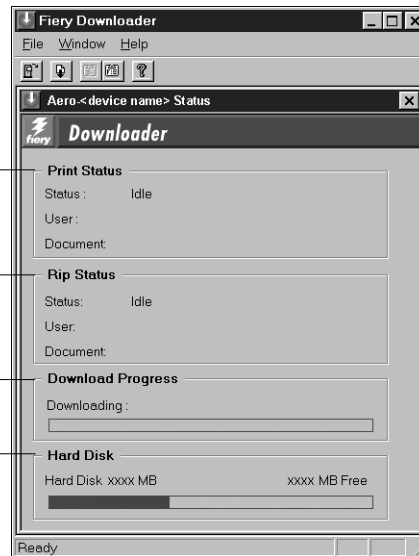
The Fiery Downloader Status window appears and you see the Fiery Downloader Toolbar, menus, and the status bar at the bottom of the screen.

Displays server status and user and document name of the job currently printing

Displays server status and user and document name of the job currently processing

Dynamically displays the progress of the job

Displays the amount of available disk space



Buttons for some menu functions appear in the Toolbar at the top of the window.



Open

Click to connect to a different ColorPASS.



Download

Click to download a file or font to the ColorPASS.



Status

If you are viewing the font list, click to display the status window for the current ColorPASS.



Font list

If you are viewing the status window, click to display a list of printer fonts on the ColorPASS hard disk.



About Fiery
Downloader
(Windows only)

Click to view version information about Fiery Downloader.

You can click the font list button or choose Font List from the File menu to view font information in the window.

3. **To select a different ColorPASS, choose Open from the File menu or click the Open button.**
4. **Select the ColorPASS in the dialog box that appears, and click OK (Windows) or Connect (Mac OS).**
5. **To close the status window, choose Close from the File menu; to quit Fiery Downloader, choose Exit (Windows) or Quit (Mac OS) from the File menu.**

Printing with Fiery Downloader

Printing files with Fiery Downloader is fast—generally faster than printing from within applications. If you regularly print large files, be sure to try printing with Fiery Downloader.

TO DOWNLOAD A FILE OR FONT WITH FIERY DOWNLOADER:

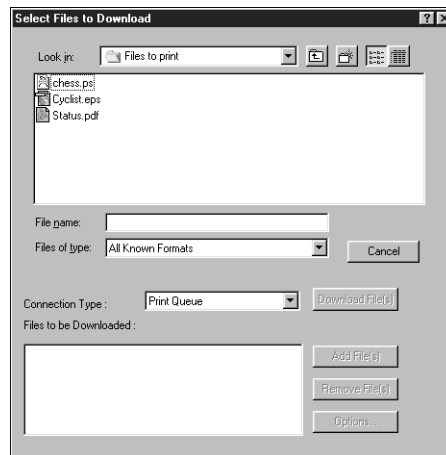
1. **Use your application to generate a file.**

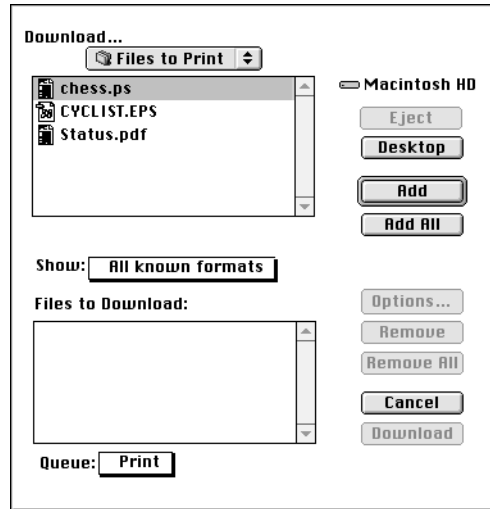
You can save a PostScript or PDF file by selecting the appropriate option in the application's Print dialog box. With some applications, you can also save EPS files.

If you experience problems printing EPS files with Fiery Downloader, you can print the file directly from the application in which you created it.

2. **Launch Fiery Downloader.**

3. **Choose Download from the File menu or click the Download button.**





4. **Choose the file type to display from the Files of type (Windows) or Show (Mac OS) menu.**

You can leave this at the default **All Known Formats** or choose **All Files**. All Known Formats lists all files in formats supported by Fiery Downloader.

You can download files and fonts in the same batch. If the fonts are used by files in the same batch, the fonts should be downloaded first.

5. **Choose the Connection Type (Windows) or Queue (Mac OS) to which you will download the files.**

The options available to you in this menu depend on the setup at your site. The potential selections are Print Queue (Windows) or Print (Mac OS), Hold Queue (Windows) or Hold (Mac OS), and Direct Connection (Windows) or Direct (Mac OS). If your administrator has not enabled one or more of these connections, you cannot select it.

PDF files cannot be printed with the Direct connection. If you choose the Direct connection, the job is spooled to the Print queue and then printed. If the Print queue is not enabled, the job is spooled to the Hold queue and must be released for printing by the operator.

NOTE: To download fonts, you must use the Direct connection (make sure that the Direct connection is published on the ColorPASS). If you do not have access to the Direct connection, you must embed any special fonts used by the file in the file when you generate it.

6. Select the filename and click Add File(s) (Windows) or Add (Mac OS).

The File name field (Windows) displays the name of the selected file before you click Add.

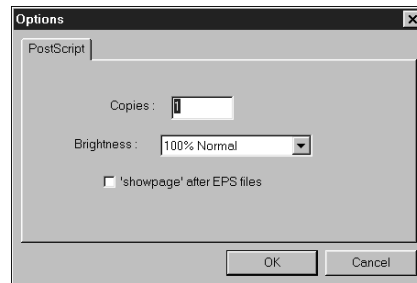
You can navigate to different drives and directories to select files to download. Click Add All (Mac OS) to add all files in a folder.

To select multiple sequential files (Windows), select the first file and then Shift-click the last file. Control-click to select multiple non-sequential files.

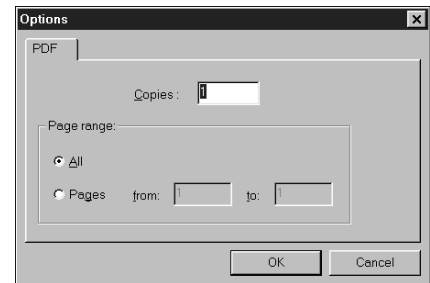
If you change your mind about a file, select the filename in the Files to Download list and click Remove File(s) (Windows) or Remove (Mac OS).

Click Remove All (Mac OS) to remove all files from the Files to Download list.

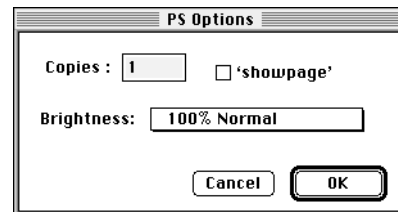
7. To change the attributes of a file to be downloaded, select it and click Options.



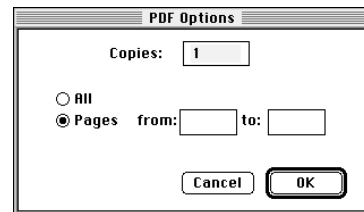
PostScript Options dialog box (Windows)



PDF Options dialog box (Windows)



PostScript Options dialog box (Mac OS)



PDF Options dialog box (Mac OS)

8. Specify the following information in the dialog box and click OK.

The options you set apply only to the selected file. You can set different options, or leave the default settings, for each file.

Copies—Specify the number of copies.

Brightness (PostScript and EPS files only)—Change the Brightness setting if a file appears to be too dark or too light. Choose **85%** for a substantially lighter image, **115%** for a substantially darker image, or one of the options in between.

NOTE: Some applications, including Adobe Photoshop, provide transfer functions that let you specify density settings for an image. If the file you are printing includes transfer functions, the Fiery Downloader Brightness option has no effect. For more information on using transfer functions, see the documentation for your application.

‘showpage’ after EPS files (Windows) or **‘showpage’** (Mac OS) (PostScript and EPS files only)—In most cases, you do not need to use this option. Select the ‘showpage’ option only if an EPS file fails to print without it. This option adds a ‘showpage’ PostScript language command at the end of the print job. Some applications omit this necessary PostScript language command when they generate EPS files. Select this option when printing EPS files generated by these applications. If you select this option unnecessarily, extra blank pages may print.

If you experience problems printing EPS files with Fiery Downloader, you can print the file directly from the application in which you created it.

Page range (PDF files only)—Specify the page range you want to print.

9. Click Download File(s) (Windows) or Download (Mac OS).

10. To cancel downloading, press Escape (Windows) or Command- (Mac OS).

Downloading and managing printer fonts

The ColorPASS includes 136 PostScript fonts; for a complete list, see Appendix B “Font List.” In addition, two Adobe Multiple Master fonts are included and are used for font substitution in PDF files.

Before downloading a file that uses fonts not resident on the ColorPASS, you must download the fonts (unless the fonts are embedded in the file). To see what fonts are resident on the ColorPASS, choose Font List from the File menu or click the Font List button (see page 5-10).

You can download fonts only via the Direct connection. If you do not have access to the Direct connection, you must embed any special fonts used by the file in the file when you generate it.

The screen fonts that correspond to the printer fonts installed on the ColorPASS are not automatically installed on your Windows system.

NOTE: You cannot use Fiery Downloader to download TrueType fonts. If you use TrueType fonts in Windows, you can print them by converting them to Adobe Type 1 fonts. To do this with the Adobe PS printer driver for Windows 95/98/Me, click the Fonts tab and set up the Font Substitution Table as necessary. For Windows NT 4.0, go to the PostScript tab of the ColorPASS Properties dialog box, then select TrueType fonts>TrueType fonts setting>Download as Softfont. For Windows 2000, click the Layout or Paper/Quality tab of the ColorPASS Printing Preferences dialog box, then select Graphic>TrueType Font>Download as Softfont.

Printer fonts and Mac OS screen fonts

Like all PostScript fonts, the fonts included with the ColorPASS come in two forms: printer fonts and screen fonts. The printer fonts are installed permanently on the ColorPASS hard disk. The screen fonts, which are included with the ColorPASS user software, should be installed on your Mac OS computer. If you are using these fonts in documents you print on a LaserWriter, they are probably already installed. If not, you will need to install them yourself. For instructions, see *Getting Started*.

Occasionally, you may want to use Adobe Type 1 (Windows) or PostScript (Mac OS) fonts that are not included with the ColorPASS. If so, you will need to install both the screen fonts and the printer fonts on your computer. To do this, follow the instructions from the font manufacturer.

Downloading printer fonts to the ColorPASS

In general, each time you print from within a Mac OS application, the application automatically downloads any fonts used in your document that are not already installed on the ColorPASS, as long as the printer fonts are installed in your System Folder. These fonts remain in the ColorPASS only until your document has printed. If you print the same document again, your application must download the fonts again.

If you regularly use one or more fonts from Windows or Mac OS applications that are not already installed in the ColorPASS, you can save time by downloading them to the ColorPASS hard disk with Fiery Downloader. Fonts you download to the ColorPASS hard disk remain installed until you remove them using Fiery Downloader, no matter how many times the ColorPASS is turned off and on. You'll probably want to download fonts you use on a regular basis to the ColorPASS hard disk.

Before you download PostScript or EPS files with Fiery Downloader, make sure that all fonts included in your file are installed on the ColorPASS or embedded in your file; otherwise the text in these fonts will not print correctly and may not print at all. For PDF files, font substitution occurs automatically for fonts not installed on the ColorPASS. Two multiple master fonts (a serif font and a sans serif font) stored on the ColorPASS are used exclusively for substitution with PDF files.

TO VIEW FONT INFORMATION, UPDATE, PRINT, AND DELETE FONTS:

- **Choose Font List from the File menu or click the Font List button.**

NOTE: If the Direct connection is not published, you cannot view the font list or perform any of the tasks described in this procedure. See the *Configuration Guide* or talk to your administrator for information on how to publish the Direct connection.

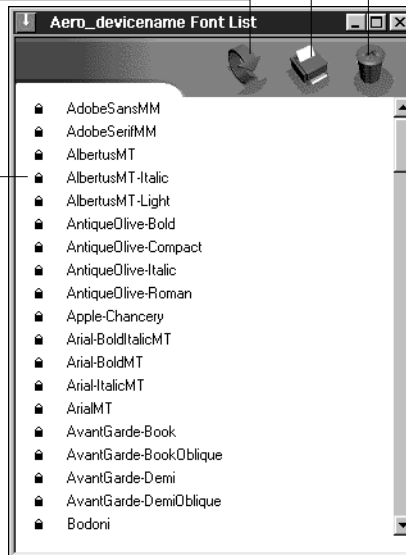
The Font List window appears with Update, Print, and Delete buttons in the title bar. The printer fonts included with the ColorPASS (resident fonts) are locked. Locked fonts appear with a lock icon next to the name and cannot be deleted.

Click to print the font list to the Print queue

Select a font and click to delete it

Click to update the information
in the font list window

Lock icon



Chapter 6: Tracking and Managing Print Jobs

ColorPASS user software includes a variety of tools that allow you to track and manage print jobs. Access to some tools is controlled by your site administrator, but other tools are available to all users.

- The Command WorkStation, Fiery WebSpooler, and Fiery Spooler all provide the capability to view and control the flow of print jobs to the ColorPASS. If the administrator has set Administrator and Operator passwords in Setup, you need one of these passwords to perform most Command WorkStation, Fiery WebSpooler, and Fiery Spooler functions. For information on these tools and the access privileges needed to use them, see the *Job Management Guide*.
- The Status and WebLink WebTools do not require any special access privileges. As long as the administrator has enabled Web Services in Setup and has provided users with the IP address of the ColorPASS, anyone can use these WebTools.
- Fiery Link, a utility designed to give you up-to-date status on print jobs and connected ColorPASS servers, is also available to all users.

Fiery WebTools

Fiery WebTools reside on the ColorPASS's hard disk drive but can be accessed over the network from a variety of platforms. The ColorPASS has a home page that lets you view server functions and manipulate jobs remotely. This chapter describes only the Status and WebLink WebTools. For information on Fiery WebSpooler, see the *Job Management Guide*. For information on the Installer WebTool, see *Getting Started*.

NOTE: Fiery WebTools are not supported on Mac OS computers.

TO ACCESS FIERY WEBTOOLS:

1. **Start up your Internet browser application.**

See *Getting Started* for information about supported platforms and browsers.

2. **Enter the IP address or the DNS name of the ColorPASS.**

Check with the operator or administrator for this information.

3. If a Log In dialog box appears, select Guest and click OK.

The Log In dialog box appears only if the administrator has set a password. Guest access is sufficient to use the Status and WebLink WebTools as described in this chapter.

4. When the ColorPASS home page appears, click to select one of the Fiery WebTools.

Move the cursor over the buttons to display information about the selections.

Checking ColorPASS status with the Status WebTool

You can use the Status WebTool to see what jobs are currently processing and printing. To access the Status WebTool, point your browser to the ColorPASS home page and click the Status button. The current RIP Status and Printer Status appear in the window.



To open a new browser window for the Status display, click Float. You can then close other browser windows and leave the Status window open to continue checking the status of the ColorPASS. As long as you keep the Status window open, it is dynamically updated.

To obtain more information about the status of jobs, use Fiery WebSpooler, Fiery Spooler, or the Command WorkStation, as described in the *Job Management Guide*. You can also use Fiery Link as described on page 6-3.

Accessing information with WebLink

The WebLink button on the ColorPASS home page provides a link to another web page or to multiple web pages, provided you have a valid Internet connection. The administrator at your site can set the WebLink destination. Check your ColorPASS WebLink for any information available there.

Fiery Link

Fiery Link is designed to provide you with up-to-date status on print jobs and connected servers. It tracks the status of your print jobs and alerts you to errors. For example, you can see how many print jobs are ahead of your job in the queue. Fiery Link also provides information about paper and toner levels. For example, you can make sure the sorter output tray is empty before sending a job that will be sorted.

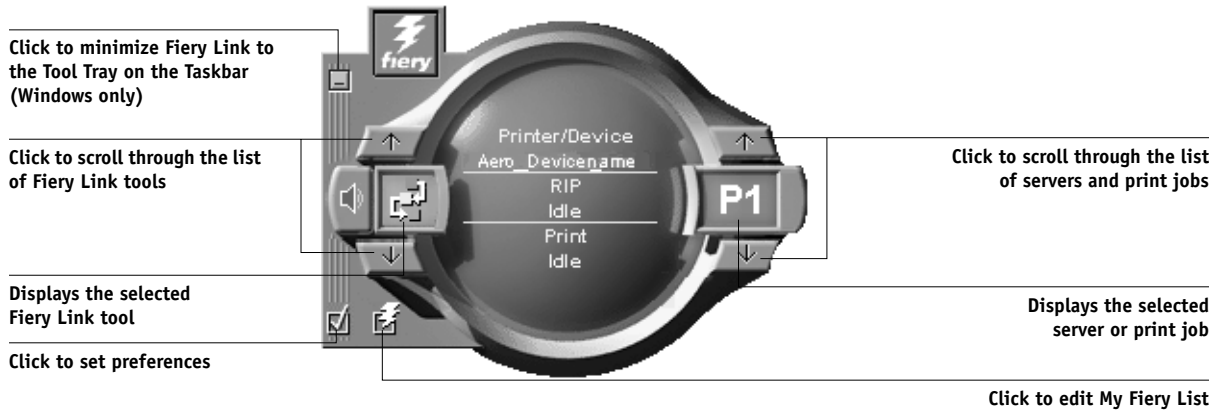
For information on installing and configuring Fiery Link and on supported networking protocols, see *Getting Started*.

NOTE: The Windows and Mac OS versions of Fiery Link are fundamentally the same; differences are noted in this section. Where both windows or dialog boxes are illustrated, the Windows version comes first, followed by the Mac OS version.

TO BEGIN USING FIERY LINK:

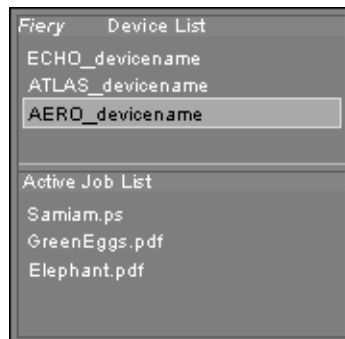
1. Double-click the Fiery Link icon or choose Fiery Link from the Start>Programs menu.

The main Fiery Link window appears.



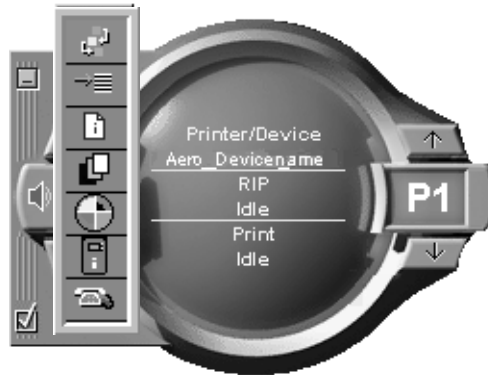
NOTE: To exit Fiery Link, press the Alt and F4 keys (Windows) or the Command and Q keys (Mac OS).

2. Click the currently selected server or print job to display the list of all connected servers or print jobs.



3. From this list, select the ColorPASS or the job about which you want information.



4. Click the currently selected Fiery Link tool to display a list of all the tools (as shown below), and select a tool.



Fiery Link tools

Fiery Link includes the following tools that can be used to monitor a print job or a connected ColorPASS. Clicking the up and down arrows scrolls through the Tool List and opens each tool in turn in the Fiery Link window.

Icon:	Tool:	If a print job is selected:	If a server is selected:
	Status	Shows the job status and number of pages processed.	Shows the status of the server, including any error messages. You can make an error message disappear by clicking the Fiery Link window.
	Queue Position	Shows the number of jobs ahead of the selected job in the queue.	Shows the total number of active jobs queued to print on the server.
	File Info	Displays the file name, when it was sent to the server, the target server, the number of pages, and number of copies.	Displays the server name and connected device, total number of queued jobs, and the number of those jobs sent by the user.
	Input Trays (see below)	Shows paper levels in all trays of the output device to which the job was printed.	Shows paper levels in all trays of the output device to which the server is connected.
	Toner (see below)	Shows the toner levels of the output device to which the job was printed.	Shows the toner levels of the output device to which the server is connected.

Icon:	Tool:	If a print job is selected:	If a server is selected:
	Fiery Info	Shows the model name, amount of memory, processor, and software version of the target server.	Shows the model name, amount of memory, processor, and software version of the server.
	Support	Lists the contact names and information for the target server and the output device.	Lists the contact names and information for the server and the output device.

Input Trays

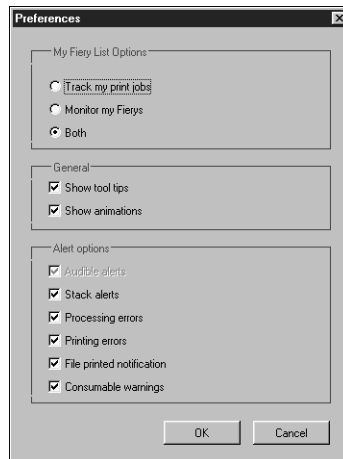
An icon is used to represent the paper level in each tray. A red icon indicates the paper tray is empty, a yellow icon indicates the paper tray is less than half full, and a green icon indicates the paper tray is more than half full. Up and down arrows allow you to scroll through the available paper trays.

Toner

You can see how much toner your copier has by clicking on the Toner tool. A warning appears if the copier is getting low on toner.

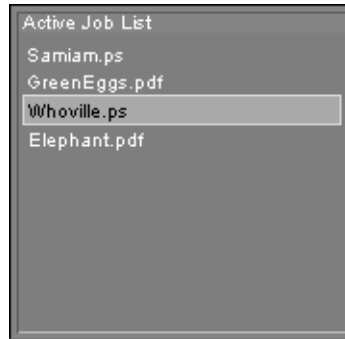
Preferences

Click the preferences checkbox in the main window to view the Preferences dialog box.



Setting the My Fiery List Options preferences

You can track print jobs, monitor ColorPASS servers, or both. If you select Track my print jobs, then click the currently selected print job, the Active Job List window is displayed.



If you select Monitor my Fierys, then click the currently selected ColorPASS server, the Device List is displayed.




If you select Both, then click the currently selected print job or ColorPASS server, both the Active Job List and Device List are displayed.

Setting the General and Alert option preferences

You can set the following options for tracking print jobs, monitoring servers, or both:

- Show/hide tool tips
- Show/hide animations
- Enable/disable stack alerts
- Enable/disable processing error notification
- Enable/disable printing error notification
- Enable/disable file printed notification
- Enable/disable consumable warnings notification

My Fiery List

Click the Fiery checkbox  in the main window to access the My Fiery List. You can use My Fiery List to specify the ColorPASS servers you want to monitor using Fiery Link. For information on setting up and changing the My Fiery List, see *Getting Started*.

Windows taskbar menu

You can access a menu from the Windows taskbar status area to get information about Fiery Link, set some Fiery Link options, or exit the application.

TO ACCESS AND USE THE TASKBAR MENU:

1. Right-click the Fiery Link icon  in the Windows taskbar status area.
2. Choose one of the options from the pop-up menu.



Options with checkmarks are enabled.

3. Choose **About Fiery Link** for version information.
4. Choose **Always on Top** to enable or disable the option.

If this option is enabled, the Fiery Link window always appears on top of other open windows. If this option is disabled, the Fiery Link window may be hidden by other open windows.

5. Choose **Dock Fiery Link** to enable or disable the option.

If this option is enabled, the Fiery Link window is automatically repositioned to either the far left or the far right side of your screen. If this option is disabled, you can position the Fiery Link window anywhere on the screen.

6. Choose **Exit** to exit Fiery Link.

Appendix A: Print Options

Print options give you access to all the special features of your copier and ColorPASS. Print options can be specified in several places—in ColorPASS Setup, from the printing application, from Fiery Downloader, from ColorWise Pro Tools, from the Command WorkStation, from Fiery WebSpooler, and from Fiery Spooler. The table in this appendix briefly describes each print option, gives its default setting, and provides information on any constraints or requirements in effect.

Where to set print options

- From the Control Panel

Some settings are specified during Setup by the administrator. For information on the current default server settings, print a Configuration page and check with the administrator or the operator.

- From applications

With the PostScript printer drivers, you can specify job settings when you print a job. See Chapter 1, “Printing from Windows Computers” and Chapter 2, “Printing from Mac OS Computers” for information about specifying job settings from applications.

- From Fiery Downloader

Only a few settings—Copies, Page Range (for PDF files only), and Brightness (for PostScript and EPS files only)—can be specified when printing jobs with Fiery Downloader. To change options in Fiery Downloader, select a job in the Files to be Downloaded (Windows) or Files to Download (Mac OS) list and click Options. For more information, see Chapter 5, “Downloading Files and Fonts.”

- From ColorWise Pro Tools

You can set the default RGB Source Profile, CMYK Simulation Profile, Output Profile, CMYK Simulation Method, and RGB Separation settings. See the *Color Guide* for more information on using ColorWise Pro Tools.

- From the job's Properties or Override Print Settings dialog box, available from Command WorkStation, Fiery WebSpooler, or Fiery Spooler

To change a job's settings from the Command WorkStation, double-click the job to display the Properties dialog box. To change job settings from Fiery WebSpooler and from Fiery Spooler, double-click a job to display the Override Print Settings dialog box. For more information, see the *Job Management Guide*.

Print options and override hierarchy

The override hierarchy is as follows:

- Job settings made from the user's printer driver override the ColorPASS Setup and ColorWise Pro Tools settings.
- Job settings made from Command WorkStation, Fiery WebSpooler, or Fiery Spooler override the user's printer driver settings.

Default settings

In the following table, underlined settings in the "Option and settings" column indicate default printer driver settings (PPD defaults). In other words, if you do not use the printer driver interface to configure a particular option, the ColorPASS prints the job with the underlined setting.

For options that can be configured during Setup from the Control Panel, Command WorkStation, or ColorWise Pro Tools, choosing **Printer's default** results in the ColorPASS printing the job with the Setup setting specified. For options that cannot be configured during Setup, the ColorPASS prints the job with a pre-configured "Printer's default" setting. For more information, see the "Requirements, constraints, and information" column.

To find out about the current Setup defaults, print the Configuration page from the Command WorkStation or from the ColorPASS Control Panel.



Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Black Overprint <u>Printer's default</u> /Off/On	Select Off to print black text with knockouts. Select On to overprint black text.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows, choose Expert Color as the Print Mode to access this option. If this option is set to On , the Combine Separations option must be set to Off . Setting this option to On automatically sets the Pure Black Text/Graphics option to On . For more information, see page A-14 and the <i>Color Guide</i> .
Brightness 85% Lightest/90% Lighter/ 95% Light/ <u>100% Normal</u> /105% Dark/ 110% Darker/115% Darkest	Select 85% for a substantially lighter image, 115% for a substantially darker image, or use one of the settings in between.	
CMYK Simulation Profile <u>Printer's default</u> /SWOP-Coated/ DIC/Euroscale/Simulation-1/ Simulation-2/Simulation-3/ Simulation-4/Simulation-5/ Simulation-6/Simulation-7/ Simulation-8/Simulation-9/ Simulation-10/None/Match Copy	Specify the simulation goal to be used for the current print job.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows 95/98/Me and Windows NT 4.0, choose Expert Color as the Print Mode to access this option. For more information, see page A-15 and the <i>Color Guide</i> .
CMYK Simulation Method <u>Printer's default</u> /Quick/Full	Select Quick to utilize one-dimensional transfer curves to adjust density output of individual color channels. Select Full to utilize four-dimensional transfer curves, which adjust for hue as well as density of individual color channels.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows 95/98/Me and Windows NT 4.0, choose Expert Color as the Print Mode to access this option. For more information, see the <i>Color Guide</i> .

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Color Mode <u>Printer's default</u> /CMYK/Grayscale OR <u>Standard Color</u> /Expert Color/Grayscale (from the Windows 95/98/Me and Windows NT 4.0 driver)	Specify the color mode for the current print job. Select CMYK , Standard Color , or Expert Color for a full-color document. Select Grayscale for a grayscale or black-and-white document.	The Printer's default setting reflects the setting specified in ColorPASS Setup. If this option is set to Grayscale , then the following constraints apply: Toner Reduction must be set to On Combined Separations must be set to Off For Windows 95/98/Me and Windows NT 4.0, you must choose Expert Color as the Print Mode to set other color print options, including Pure Black Text/Graphics.
Combine Separations On/Off	When printing separations from a desktop publishing application: Select On to combine separations on a single page. Select Off to view separations as four individual black-and-white pages each representing one color plate.	If this option is set to On , then the following constraints apply: Color Mode must be set to CMYK Pure Black Text/Graphics must be set to off Black Overprint must be set to Off Spot Color Matching must be set to Off PowerForm set to Off For more information, see page A-16.
Compression Off/On	Select Off to disable compression for printing very complex images. This requires a significant amount of memory to process and print; however, images print faster with the best possible image quality. Select On to enable compression when printing multiple-page jobs that do not consist of complex pages.	If Compression is set to Off , the following options are not available: Save Fast Reprint set to On Combine Separations set to On Sorter Mode set to Collate Page Order set to Reverse Black Overprint set to Off Create Master set to 1-15 Use Master set to 1-15



Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Copier Mode Photo/Character/Auto2/<u>Auto1</u>	Specific Copier Modes produce optimum results with certain files. Choose the Copier Mode best suited for your job: Photo works best if the file is a photograph. Character works best with text or data with thin lines. Select Auto1 if the file is a combination of text, graphics, and images. Auto1 will print text at 400dpi and graphics and images at 200 or 266dpi. Select Auto2 if the file is a combination of text, graphics, and images. Auto2 will print text and graphics at 400dpi and images at 200 or 266dpi.	
Copies <u>1</u>-999 (Windows 95/98/Me and Mac OS), 1-9999 (Windows NT 4.0 and Windows 2000)	Specify the number of copies of the job to print.	Do not enter a value greater than the maximum specified in the printer driver you are using.
Create Master None/<u>1</u>-15	To create a FreeForm master from this job, specify a number to assign to the FreeForm master file.	See page 4-1 for more information. This option is selectable only if FreeForm is available.
Duplex <u>Off</u>/Top-Top/Top-Bottom/Manual	Specify whether the job should print single-sided or double-sided (duplex), by specifying the orientation of printed images. Choose Manual to print from stack bypass.	For more information on duplex printing, see page A-16. If this option is set to Manual , Sorter Mode cannot be set to Sort or Group . If this option is set to Manual , Media Type cannot be set to Transparency , or Auto Select .
Finishing <u>Bypass</u>/Shift stack/Booklet with Staple/Booklet with Staple & Trim/Booklet/Booklet with Trim	Specify how you want to finish your job.	The Finisher option must be installed to use all settings other than Bypass.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Image Shift -2.5 mm/-2 mm/-1.5 mm/-1 mm/ -0.5 mm/ <u>0</u> .5 mm/1 mm/1.5 mm/ 2 mm/2.5 mm	Selecting a value adjusts an image for duplex printing by shifting the image horizontally, in the direction of paper travel, relative to the leading edge.	
Instructions	Enter instructions to the operator about the job.	The Instructions field has a 128-character limit.
Landscape <u>No</u> /Yes	Specify if you will be printing on landscape-oriented paper.	This option is available from Mac OS, Windows NT 4.0, and Windows 2000 drivers only. For Windows 95/98/Me drivers, use the Orientation option. The Landscape option can also be specified from Fiery WebSpooler, Fiery Spooler, or Command WorkStation.
Manual Face Second side / <u>Off</u>	Use this option for two-sided printing. Select Second side to print the second side of your job.	Paper Source must be set to SB (Stack Bypass) , or SB-Size Set at Copier to use this option. If Manual Face is set to Second side , the following options must be set to Off: Duplex, Slip Sheet, and Transparency Interleaving. Also, Media Type cannot be set to Transparency , or Auto Select .
Media Type <u>Plain Paper</u> /Transparency/ Heavy Paper/Extra Heavy Paper/Special Paper 1/Special Paper 2/Thin Paper/ Auto Select	Select Transparency if you will be printing on transparencies.	For more information, see page A-18.
Notes	Enter special information about the job.	The Notes field has a 31-character limit.



Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Orientation <u>Portrait</u> /Landscape	Specify the orientation of the document.	
(Other) Gamma <u>Printer's default</u> /1.0/1.2/1.4/1.6/ 1.8/2.0/2.2/2.4/2.6/2.8/3.0	Specify a source gamma value for printing RGB images, objects, and text.	Setting this option to Printer's default produces the same result as the 2.2 setting. To enable this option, RGB Source Profile must be set to Other . For more information, see the <i>Color Guide</i> .
(Other) Phosphors <u>Printer's default</u> /Hitachi EBU/ Hitachi-Ikegami/NTSC/ Radius Pivot/SMPTE/Trinitron	Specify a source phosphors value for printing RGB images, objects, and text.	Setting this option to Printer's default produces the same result as the SMPTE setting. To enable this option, RGB Source Profile must be set to Other . For more information, see the <i>Color Guide</i> .
(Other) White Point <u>Printer's default</u> /5000 K (D50)/ 5500 K/6500 K (D65)/7500 K/9300 K	Specify a source white point value for printing RGB images, objects, and text.	Setting this option to Printer's default produces the same result as the 5000 K (D50) setting. To enable this option, RGB Source Profile must be set to Other . For more information, see the <i>Color Guide</i> .
Output Profile <u>Printer's default</u> /5000 A Fine/ 5000 A Coarse/ 5000 A Off/ Output-1/Output-2/ Output-3/Output-4/Output-5/ Output-6/Output-7/Output-8/ Output-9/Output-10	Specify the output profile to be used for the current print job.	The Printer's default setting reflects the setting specified in ColorWise Pro Tools. For Windows95/98/Me and Windows NT 4.0, choose Expert Color as the Print Mode to access this option. See page A-19 and the <i>Color Guide</i> for more information.

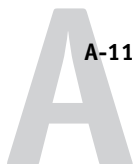


Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Page Order <u>Forward/Reverse</u>	Select Forward to print the pages of your job from first to last. Select Reverse to print the pages of your job from last to first.	NOTE: If you set Page Order to Reverse and print a job with more than 1000 pages, or a job that is too large to be saved to the ColorPASS's memory and disk (based on currently available space), then the job may print in sections that have to be manually rearranged after printing. For example, if you print a 1500-page document in reverse order, the ColorPASS might divide the job into two portions, first printing page 1000 to page 1, and then page 1500 to page 1001. If this option is set to Reverse , Compression must be set to On .
Page Range <u>All/Even/Odd</u>	Specify which pages of the document to print. To print a contiguous page range, specify the first and last page numbers of the range separated by a hyphen. To print non-contiguous pages, specify the page numbers using commas as separators.	This option is available only as an override from Fiery WebSpooler, Fiery Spooler, and Command WorkStation. See page A-19 for more information.
Paper Size <u>Letter/A4/Legal/11x17/A3/Letter-R/A4-R/12x18/305x440/A5/A5-R/Statement/Statement-R/Custom page 1/Custom page 2/Custom page 3</u>	Specify the size of the paper on which to print the document.	If you select 12x18 , 305x440 , or A5 , Media Type must be set to Plain Paper and Paper Source must be set to SB (Stack Bypass) or SB-Size Set at Copier . If the Paper Size is set to 12x18 , 305x440 , A5 , Statement , Statement-R , or Custom Paper Size the following options cannot be set: Sorter Mode to Sort or Group Duplex to Top-Top or Top-Bottom If you select Statement-R , the Paper Source option cannot be set to Paper Deck-J1 or Paper Deck-K1 .



Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Paper Source <u>AutoSelect</u> /Drawer 1/Drawer 2/Paper Deck-K1/ Paper Deck-J1/ SB (Stack Bypass)/ SB-Size Set at Copier	Specify the paper tray to use for your job.	The AutoSelect setting automatically selects the drawer containing the paper size specified for the job. The Paper Deck-J1 option cannot be set until it is installed. For information on configuring the Paper Deck-J1 as an installable option, see <i>Getting Started</i> . See page A-19 for more information.
Paper Source Alignment <u>Disable</u> /Enable	Select Enable to align the paper source drawers of the copier for accurate duplex printing	If you select Enable , the Paper Source option cannot be set to AutoSelect or SB-Size Set at Copier , or the Media Type option cannot be set to Custom Paper Size . See the <i>Job Management Guide</i> for more information.
PowerForm <u>On</u> /Off	Select On when printing PowerPoint files to the ColorPASS.	Setting the PowerForm option to On can reduce the processing time for PowerPoint print jobs. To enable this option, the following options must be applied: Compression to Off Combined Separations to Off Use Master to None Create Master to None This option is available from the Windows NT 4.0 printer driver only.
Pure Black Text/Graphics <u>Printer's default</u> /Off/On	Select Off to print black text and graphics as a four color black using C, M, Y, and K toner, and to use normal PostScript rendering. Select On to print black text and graphics as a one color black, using 100% black toner only.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows 95/98 and Windows NT 4.0, choose Expert Color as the Print Mode to access this option. The Combined Separations option must be set to Off . This option is automatically set to On if the Black Overprint option is set to On . For more information, see the <i>Color Guide</i> .

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Remove White PPT Background <u>No/Yes</u>	Select Yes when using PowerPoint to create variable data in conjunction with FreeForm.	This option is available only as an override from Fiery WebSpooler, Fiery Spooler, and Command WorkStation.
Rendering Style <u>Printer's default/Photographic/</u> Presentation/Relative Colorimetric/ Absolute Colorimetric	Specify a default color rendering dictionary (CRD) to be used when you print RGB images, objects, and text.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows 95/98/Me and Windows NT 4.0, choose Expert Color as the Print Mode to access this option. For more information, see page A-19.
Reverse Delivery <u>Off/On</u>	Specify whether or not to use face down printing.	If this option is set to On , the following options cannot be set: Paper Size to A5 or Statement Media Type to Transparency , Special Paper-1 , Special Paper-2 , or AutoSelect Also, the following options must be applied: Sorter Mode set to Off or Collate Duplex to Off Stack Mode to Off Stapler Mode to Off Transparency Interleaving to Off Finishing to Bypass or Shift Stack
RGB Separation <u>Printer's default/Output/Simulation</u>	Select Output for RGB jobs which you are printing to the final output device. Select Simulation for RGB jobs for which you want to simulate an output device that is not the device to which you are printing.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows, choose Expert Color as the Print Mode to access this option.



Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Rotate 180 Yes/<u>No</u>	Specify if you want to rotate the pages of your job 180 degrees.	This option is only available from Mac OS and Windows NT 4.0. For Windows 95/98/Me, use the Orientation option. The Rotate 180 option can also be specified from Fiery WebSpooler, Fiery Spooler, or Command WorkStation. Depending on the application you are using, your landscape job may print with the incorrect orientation; if this occurs, or if you select a Stapler Mode (other than Off) and the staple is inserted in the wrong place, select Yes .
Save Fast Reprint <u>Off</u>/On	Specify whether or not to save a job's raster data to disk after printing, so the data will be available later for reprinting (without reRIPping).	With Save Fast Reprint set to On , all print option settings remain with the saved raster data each time the job is reprinted. To print the job with new print option settings, you must remove raster and reRIP the job.
Sharpness Softer/<u>Normal</u>/Sharper/None	Change the Sharpness setting to alter the results of a print. Select Sharper to make edges appear more defined; select Softer to make edges less defined.	
Slip Sheet On/<u>Off</u>	Specify whether to insert a slip sheet between copies of multiple-copy jobs.	If this option is set to On , the following settings must be applied: Sort Mode set to Off or Collate Stapler Mode set to Off Media Type to Plain Paper, Transparency, or Special Paper If this option is set to On , the following options cannot be applied: Duplex to Manual Paper Size to 12x18, A5, 305x440, Statement, or Custom Paper Size Paper Source to SB (Stack Bypass) or SB-Size Set at Copier Manual Face set to Second Side

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Sorter Mode <u>Off</u>/Collate/Sort/Group	Specify how to output multiple-page/multiple-copy jobs.	If this option is set to On , the following settings must be applied: Reverse Delivery set to Off Stack Mode set to Off Stapler Mode set to Off Transparency Interleaving set to Off Sort Mode set to Off or Collate Media Type to Plain Paper , Transparency , or Special Paper For more information, see page A-20.
Spot Color Matching <u>Printer's default</u>/Off/On	Select Off to print specified PANTONE colors in your job using the current CMYK Simulation and CMYK Simulation Method. Select On to activate the PANTONE Lookup Table. The ColorPASS prints specified PANTONE colors in your job by matching the CMYK print blend to the same color from the PANTONE library.	The Printer's default setting reflects the setting specified in ColorPASS Setup. For Windows95/98/Me and Windows NT 4.0, choose Expert Color as the Print Mode to access this option. For more information, see the <i>Color Guide</i> .
Stack Mode <u>Off</u>/On	Specify whether or not to use Staple Sorter as the stacker. Use this option if you want to use the Stapler Sorter as a stacker for non-sort printing when pages exceed a maximum capacity of 250 pages.	If this option is set to On , then the following settings must be applied: Stapler Mode set to Off Sorter Mode set to Off or Collate Slip Sheet set to Off Reverse Delivery set to Off Media Type set to Plain Paper , Heavy Paper , or Extra Heavy Paper If this option is set to On , the following options cannot be set: Paper Size to A5 , A5-R , Statement , Statement-R , 305x440 , or Custom Paper Size

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Stapler Mode <u>Off</u> /Corner/Double/Single	Specify whether or not to staple the job.	If Reverse Delivery or Stack Mode is set to On , then this option must be set to On . If this option is set to either Corner , Double , or Single the following settings must be applied: Slip Sheet set to Off Stapler Mode set to Sort See page A-21 for more information.
Toner Reduction <u>Off</u> /On	Specify whether or not to print the current job with a maximum toner value.	If this option is set to On , the following settings must be applied: Combined Separations set to Off If Registration colors are specified in the data created with page layout applications or illustration applications, setting this option to On will have no effect. For more information, see page A-24.
Transparency Interleaving <u>Off</u> /Blank Interleave/ Printed Interleave	Select Blank Interleave to print multiple transparency sheets separated by blank, plain paper pages. Select Printed Interleave to print multiple transparency sheets separated by printed, plain paper pages.	This option is supported with Letter or A4 size plain paper or transparencies only. To enable this option, Media Type must be set to Transparency .
Use Master <u>None</u> /1-15	For variable print jobs, specify a FreeForm master number to be used for the job.	See page 4-1 for more information. This option is selectable only if FreeForm is available.

More information about print options

The following sections provide additional information about print options. See the table above for information on the settings, requirements, and constraints in effect for these options.

Black Detection

Off—Select if your job consists of black-only text pages combined with a significant number of color pages. Doing so will prevent the copier from having to cycle down each time between printing the black only pages and color pages.

On—Select when you are printing a predominantly black and white job. The ColorPASS speeds printing by sensing the data on each page of your job to detect any color information; if black is the only color detected on a page, the copier will print the page using only black toner and one print cycle instead of the four cycles necessary for color printing.

Black Overprint

When printing black text in combination with a color background or graphics, the text can be printed in one of two ways: either as part of the color background, or on top of the color background. Black Overprint allows you to choose a specific way to print the black text for such a job.

Off—Prints the black text with knockouts. The ColorPASS first prints the color background with the black text areas 'knocked out' (no color is printed in the text areas); the black text is then printed in the knocked out area, filling in the areas not printed in color. The result is a flatter appearance for the black text.

On—Overprint the black text. Used in combination with the Pure Black Text/Graphics option, the ColorPASS first prints the full color background, then lays the black text on top of the color background as 100% K toner. The result is a darker and glossier appearance for the black text. Overprinting also minimizes misregistration and 'haloing' problems.

CMYK Simulation Profile

CMYK Simulation Profile allows you to change the simulation goal for the current print job. As the job begins processing, the simulation goal selected in CMYK Simulation is applied before printing.

NOTE: Choosing Printer's default results in the job being printed with the simulation goal currently set on the ColorPASS.

SWOP-Coated—Uses the United States press standard.

DIC—Uses the Japanese press standard.

Euroscale—Uses the European press standard.

Simulation-1 (2,3,4,5...10)—Uses a custom simulation goal. Before selecting this setting, you are required to create a new simulation goal with ColorWise Pro Tools and link the new simulation to one of the custom simulation names, e.g.- Simulation-1.

NOTE: If two-way communication is enabled, Simulation-1 through Simulation-10 do not appear in the Windows 95/98/Me or the Windows NT 4.0 and Windows 2000 drivers. This driver displays all the custom simulations saved on the ColorPASS by name. See *Getting Started* for information on setting up two-way communication.

None—Uses no simulation goal. Select this setting when the CMYK data for your job has already been separated for your specific copier (for example, when using the Color Management System built into your computer to convert the CMYK data to the color space of the copier).

Match Copy—Uses no calibration or simulation goal. Select this setting when printing images imported with Fiery Scan (with the Color Conversion option set to Match Copy), or when you want to bypass ColorPASS calibration and simulation.

For more information about simulation and calibration, see the *Color Guide*.

Combine Separations

The Combine Separations option specifies whether to combine color separations (created in desktop publishing applications such as QuarkXPress or Adobe PageMaker) on a single page to simulate printing on a press from film separations. It allows you to proof overprinting, trapping, and other four-color printing effects before having film separations created. It also enables you to combine Desktop Color Separations (DCS) format files to print them at full resolution instead of printing the low-resolution master file. Selecting the appropriate color rendering dictionary (CRD) setting for the type of image you are printing ensures optimal color output on the ColorPASS.

Your job must have been printed as color separations or DCS format when you printed it from your application. If you did not print the job in this manner, the Combine Separations option has no effect.

Duplex

If your copier has a duplexing unit, you can print with the Top-Top and Top-Bottom duplex settings. If your copier does not have a duplexing unit, or if you want to duplex paper sizes that require the SB (Stack Bypass) tray, you can use the Manual duplex setting.

TO PRINT DUPLEX PAGES USING A DUPLEXING UNIT:

- 1. Choose Print in your application, and locate the Duplex print option.**

On Windows, duplex print options appear under the Finishing option bar in the PostScript printer drivers.

On Mac OS, duplex print options appear in the print dialog box's Printer Specific Options pane.

- 2. Choose one of the Duplex settings:**

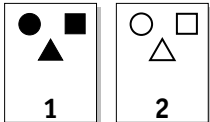
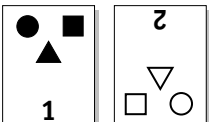
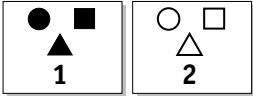
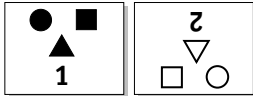
Top-Top—Prints the top of the image on side 1 on the same edge of the page as the top of the image on side 2.

Top-Bottom—Prints the top of the image on side 1 on the opposite edge of the page from the top of the image on side 2.

NOTE: For jobs imposed using Fiery Imposition, do not use Top-Bottom duplexing.

3. Print the job.

The following table shows how the Duplex settings correspond to printed output:

	Top-Top	Top-Bottom
Portrait		
Landscape		

You can use the Manual Duplex feature to get Top-Top or Top-Bottom output depending on how you flip the pages after the first side prints.

TO PRINT DUPLEX PAGES MANUALLY:

1. Choose Print in your application, and locate the Duplex print option.

The location of ColorPASS print options varies, depending on the printer driver you are using.

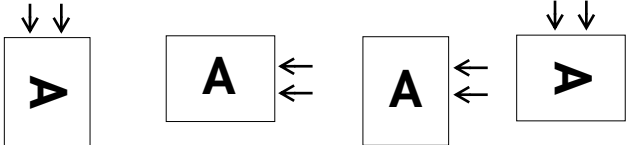
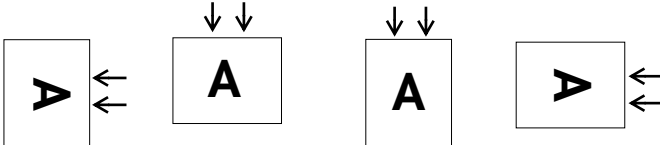
2. Set the Duplex option to Manual.

3. Print the job.

Make sure there is paper in the SB (Stack Bypass).

4. After the first side prints, remove the pages from the output tray and flip them as shown below.

In either the Top-Top or Top-Bottom row, find the illustration that shows how the pages look in the output tray. Before you place the pages in the SB (Stack Bypass) tray, flip them along the edge indicated by the arrows.

For Top-Top output	
For Top-Bottom output	

NOTE: For jobs imposed using Fiery Imposition, *always* flip the pages along the long edge of the page.

5. Place the pages in the SB (Stack Bypass) tray, then use the line selection button to choose OK in the ColorPASS display window.

Media Type

The Media Type option allows you to select the type of media for loading into the selected tray.

Plain Paper—Standard bond paper from 20 lb to 28 lb (80 to 105 g/m²)

Transparency—Transparency sheets

Thick 1—Paper heavier than 28 lb, up to 60 lb Cover, or up to 90 lb Index (106 g/m² to 163 g/m²).

Thick 2—Paper heavier than 60 lb, up to 75 lb Cover, or up to 110 lb Index (164 g/m² to 209g/m²).

Thin Paper—Paper lighter than 20 lb bond (64 g/m² to 79 g/m²).

Special Paper 1—Paper with “Special Paper 1” printed on its package

Special Paper 2—Paper with “Special Paper 2” printed on its package

Output Profile

NOTE: Output-1 through Output-10—Uses a custom output profile. Before selecting this setting, you are required to download or create the output profile with ColorWise Pro Tools, then link it with one of the custom output profile names, e.g. Output-1. If two-way communication is enabled, Output-1 through Output-10 do not appear in the Windows 95/98/Me or the Windows NT 4.0 and Windows 2000 drivers. This driver displays all the output profiles saved on the ColorPASS by name. See *Getting Started* for information on setting up two-way communication.

For information on output color space and color management, see the *Color Guide*.

Page Range

The operator can specify a page range override, but this range applies only to the pages included in the active job. For example, if a user specifies Odd for Page Range in the original job, even if the operator specifies a Page Range override of All, only the odd pages of the original document are printed (“all” the odd pages).

Paper Source

If you choose the Auto Select setting, the copier prints from any tray containing the paper size needed for the job. This setting also allows the copier to automatically switch between trays, if the current tray becomes empty, while continuing to print.

Rendering Style

Use this option to select a default color rendering dictionary (CRD) to be used when you print RGB images, objects, and text.

Photographic—Optimizes the range of colors on the ColorPASS to produce the best results for photographic or bitmapped images.

Presentation—Optimizes the output of pure, saturated colors such as those used in business presentations.

Relative Colorimetric—Provides a close match to the CMYK device being simulated, regardless of the media being used.

Absolute Colorimetric—Provides the closest match to the CMYK device being simulated, including rendering the paper color as the background.

RGB Source Profile

This option is used to specify a source color space for RGB data.

EFIRGB—Optimal source space for printing to the ColorPASS. This setting provides consistent output across platforms.

sRGB (PC)—Specifies the source space of a generic Windows computer monitor.

Apple Standard—Specifies the source space of a Mac OS computer monitor.

Other—Allows you to specify a custom RGB source setting using the **(Other) Gamma**, **(Other) Phosphors**, and **(Other) White Point** print options.

Source-1 through Source-10—Uses a custom source profile. Before selecting this setting, you are required to download the source profile to the ColorPASS with ColorWise Pro Tools, then link it with one of the custom source profile names, e.g., Source-1.

For information on source color space and color management, see the *Color Guide*.

Scale

The operator can specify a scaling override from Fiery Spooler or Fiery WebSpooler, but the override is applied to any scaling value already set in the active job. For example, if a user sends a job with a scaling value of 50% and the operator specifies a Scale override of 200%, the job is printed at 100% of the original document size, that is, 50% of 200%.

Sorter Mode

Sorting is supported on color copiers with a sorter/stapler unit attached.

Off—Copies of a complete job are output, uncollated, into the top tray.

Collate—Copies of a complete job are collated and output into the top tray.

Sort—Copies of a complete job are sorted and output into one of 20 bins, arranged in page order.

Group—Copies of a complete job are output into one of 20 bins, with all copies of the same page grouped together in each separate bin.

The following table describes the interaction between Sorter Mode and Slip Sheet settings.

Sorter Mode:	Slip Sheet:	Result:
Off	On	Uncollated sets (page numbers grouped together) separated by slip sheets in one common bin
	Off	Uncollated sets (page numbers grouped together) in one common bin
Collate	On	Collated sets separated by slip sheets in one common bin
	Off	Collated sets in one common bin
Sort	Off	Collated sets in separate bins
Group	Off	Uncollated sets (page numbers grouped together) in separate bins

Stapler Mode

Stapling is supported on copiers with a sorter/stapler unit attached.

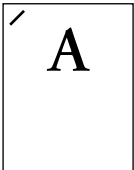
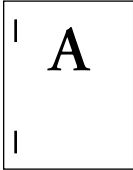
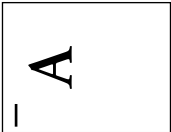
NOTE: To enable the Stapler Mode option, Sorter Mode must be set to **Sort**, **Collate** or **Group**.

Off—Disables the stapler.

Corner—The job is stapled with one staple along one corner of the page edge that last exits the copier.

Double—The job is stapled with two staples along the page edge that last exits the copier.

Single—The job is stapled with one staple along the corner of the page edge that first exits the copier.

Corner	Double	Single
		

NOTE: The **Single** option is only available for Letter-R, A4-R, and Legal paper sizes.

Sorter/stapler specifications

The sorter/stapler unit has one top output tray and 20 output bins; therefore, the maximum number of copies that can be sorted and/or stapled is 20. Sending 21 or more copies to the sorter/stapler results in the excess copies of the job being discarded. In order to print more than 20 copies you can resend the job, 20 copies at a time, from the Print dialog box, from the Command WorkStation, from Fiery WebSpooler, or from Fiery Spooler.

The maximum number of copies that can be printed at one time depends on the selected paper size (see the table below for details).

NOTE: Duplex jobs are stapled incorrectly, unless reverse order printing is selected from within the application.



The maximum capacities of the top output tray and output bins are shown in the table below. If a print job exceeds the maximum capacity of a particular tray or bin, the ColorPASS prints to the maximum capacity and then reports an error message. Once the paper is removed, the job resumes printing.

Sort Mode:	Paper size:	Plain:	Trans:	Thick 1:	Thick 2:	Special-1:	Special-2:
Non-sort/ Collate (top output tray)	All sizes	250	250	250	250	250	250
Sort (bins 1 to 20)	Letter/A4/A5/ Statement/ Letter-R/A4-R/ A5-R/Statement-R	50	—	25	25	—	—
	Legal/11"x17"/A3	25	—	15	15	—	—
	12"x18"	—	—	—	—	—	—
Sort/staple (bins 1 to 20)	Letter/A4/A5/ Statement/ Letter-R/A4-R/ A5-R/Statement-R	30	—	20	15	—	—
	Legal/11"x17"/A3	25	—	15	15	—	—
	12"x18"	—	—	—	—	—	—
Group (bins 1 to 20)	Letter/A4/A5/ Statement	30	—	15	15	—	—
	Letter-R/A4-R/ A5-R/Statement-R	30	—	15	15	—	—
	Legal/11"x17"/A3	25	—	10	15	—	—
	12"x18"	—	—	—	—	—	—



Sort Mode:	Paper size:	Plain:	Trans:	Thick 1:	Thick 2:	Special-1:	Special-2:
Stack (bins 1 to 20)	Letter/A4/A5/ Statement	30	—	15	15	—	—
	Letter-R/A4-R/ A5-R/Statement-R	30	—	15	15	—	—
	Legal/11"x17"/A3	25	—	10	15	—	—
	12"x18"	—	—	—	—	—	—

Toner Reduction

Color mixtures with high toner values can cause a blasting effect on the printed page. Blasting occurs when excess amounts of toner, combined with certain types of paper stock, results in a printed image “blasting” beyond its boundaries as defined on your computer screen.

The Toner Reduction option minimizes this effect by reducing high toner values to a maximum of 210%. For example, if a color image in your job calls for toner values of C 100%, M 50%, Y 100%, and K 10% (for a total toner value of 260%), setting Toner Reduction to **On** automatically adjusts those CMYK values to create the same color with a maximum toner value of 210%. When set to **Off**, the ColorPASS prints with the amount of toner specified.

Appendix B: Font List

This appendix lists the built-in printer fonts included with your ColorPASS.

PostScript printer fonts

Listed below are the 136 built-in PostScript printer fonts on the ColorPASS. In addition to the fonts listed below, two Adobe Multiple Master fonts are included and are used for font substitution in PDF files.

NOTE: For Mac OS computers, install the corresponding screen fonts from the User Software CD. For instructions, see *Getting Started*.

Adobe Type 1 fonts

The ColorPASS includes 126 Adobe Type 1 fonts:

- The Mac OS column lists the name as it appears on the Font menu on a Mac OS computer. For example, in most applications, to use “Bodoni-Bold,” choose Bodoni Bold from the Font menu.
- The Windows menu name is the name as it appears on the Font menu on a Windows computer. The style refers to the style that must be selected in the application to access the particular PostScript font. For example, to use “Bodoni-Bold,” choose Bodoni from the Font menu and Bold from the Style menu.

PostScript name:	Mac OS menu name:	Windows menu name, style:
AlbertusMT-Light	Albertus MT Lt	Albertus MT Lt
AlbertusMT	Albertus MT	Albertus MT
AlbertusMT-Italic	Albertus MT It	Albertus MT, Italic
AntiqueOlive-Roman	Antique Olive Roman	Antique Olive Roman
AntiqueOlive-Bold	Antique Olive Bold	Antique Olive Roman, Bold
AntiqueOlive-Italic	Antique Olive Italic	Antique Olive Roman, Italic
AntiqueOlive-Compact	Antique Olive Compact	Antique Olive Compact
Arial-BoldItalicMT	Arial Bold Italic	Arial, Bold Italic
Arial-BoldMT	Arial Bold	Arial, Bold
Arial-ItalicMT	Arial Italic	Arial, Italic
ArialMT	Arial	Arial

PostScript name:	Mac OS menu name:	Windows menu name, style:
AvantGarde-Book	Avant Garde	AvantGarde
AvantGarde-Demi	Avant Garde Demi	AvantGarde, Bold
AvantGarde-BookOblique	Avant Garde BookOblique	AvantGarde, Italic
AvantGarde-DemiOblique	Avant Garde DemiOblique	AvantGarde, Bold Italic
Bodoni	Bodoni	Bodoni
Bodoni-Bold	Bodoni Bold	Bodoni, Bold
Bodoni-Italic	Bodoni Italic	Bodoni, Italic
Bodoni-BoldItalic	Bodoni BoldItalic	Bodoni, Bold Italic
Bodoni-Poster	Bodoni Poster	Bodoni Poster
Bodoni-PosterCompressed	Bodoni PosterCompressed	Bodoni PosterCompressed
Bookman-Light	Bookman	Bookman
Bookman-Demi	Bookman Demi	Bookman, Bold
Bookman-LightItalic	Bookman LightItalic	Bookman, Italic
Bookman-DemiItalic	Bookman DemiItalic	Bookman, Bold Italic
Carta	Carta	Carta
Clarendon-Light	Clarendon Light	Clarendon Light
Clarendon	Clarendon	Clarendon
Clarendon-Bold	Clarendon Bold	Clarendon, Bold
CooperBlack	Cooper Black	Cooper Black
CooperBlack-Italic	Cooper Black Italic	Cooper Black, Italic
Copperplate-ThirtyThreeBC	Copperplate33bc	Copperplate33bc
Copperplate-ThirtyTwoBC	Copperplate32bc	Copperplate32bc
Coronet	Coronet	Coronet
Courier	Courier	Courier
Courier-Bold	Courier Bold	Courier, Bold
Courier-Oblique	Courier Oblique	Courier, Italic
Courier-BoldOblique	Courier BoldOblique	Courier, Bold Italic
Eurostile	Eurostile	Eurostile
Eurostile-Bold	Eurostile Bold	Eurostile Bold
Eurostile-ExtendedTwo	Eurostile ExtendedTwo	Eurostile ExtendedTwo
Eurostile-BoldExtendedTwo	Eurostile BoldExtendedTwo	Eurostile ExtendedTwo, Bold
GillSans	GillSans	GillSans
GillSans-Bold	GillSans Bold	GillSans, Bold
GillSans-Italic	GillSans Italic	GillSans, Italic

PostScript name:	Mac OS menu name:	Windows menu name, style:
GillSans-BoldItalic	GillSans BoldItalic	GillSans, Bold Italic
GillSans-Light	GillSans Light	GillSans Light
GillSans-LightItalic	GillSans LightItalic	GillSans Light, Italic
GillSans-Condensed	GillSans Condensed	GillSans Condensed
GillSans-BoldCondensed	GillSans BoldCondensed	GillSans Condensed, Bold
GillSans-ExtraBold	GillSans ExtraBold	GillSans ExtraBold
Goudy	Goudy	Goudy
Goudy-Bold	Goudy Bold	Goudy, Bold
Goudy-Italic	Goudy Italic	Goudy, Italic
Goudy-BoldItalic	Goudy BoldItalic	Goudy, Bold Italic
Goudy-ExtraBold	Goudy ExtraBold	Goudy ExtraBold
Helvetica	Helvetica	Helvetica
Helvetica-Bold	Helvetica Bold	Helvetica, Bold
Helvetica-Oblique	Helvetica Oblique	Helvetica, Italic
Helvetica-BoldOblique	Helvetica BoldOblique	Helvetica, Bold Italic
Helvetica-Narrow	Helvetica Narrow	Helvetica-Narrow
Helvetica-Narrow-Bold	Helvetica Narrow Bold	Helvetica-Narrow, Bold
Helvetica-Narrow-Oblique	Helvetica Narrow Oblique	Helvetica-Narrow, Italic
Helvetica-Narrow-BoldOblique	Helvetica Narrow BoldObl	Helvetica-Narrow, Bold Italic
Helvetica-Condensed	Helvetica Condensed	Helvetica Condensed
Helvetica-Condensed-Bold	Helvetica CondensedBold	Helvetica Condensed, Bold
Helvetica-Condensed-Oblique	Helvetica CondensedOblique	Helvetica Condensed, Italic
Helvetica-Condensed-BoldObl	Helvetica CondensedBoldObl	Helvetica Condensed, Bold Italic
HoeflerText-Ornaments	Hoefler Text Ornaments	Hoefler Text Ornaments
JoannaMT	Joanna MT	Joanna MT
JoannaMT-Bold	Joanna MT Bd	Joanna MT, Bold
JoannaMT-Italic	Joanna MT It	Joanna MT, Italic
JoannaMT-BoldItalic	Joanna MT Bd It	Joanna MT, Bold Italic
LetterGothic	Letter Gothic	Letter Gothic
LetterGothic-Bold	Letter Gothic Bold	Letter Gothic, Bold
LetterGothic-Slanted	Letter Gothic Slanted	Letter Gothic, Italic
LetterGothic-BoldSlanted	Letter Gothic BoldSlanted	Letter Gothic, Bold Italic
LubalinGraph-Book	Lubalin Graph	LubalinGraph
LubalinGraph-Demi	Lubalin Graph Demi	LubalinGraph, Bold

PostScript name:	Mac OS menu name:	Windows menu name, style:
LubalinGraph-BookOblique	Lubalin Graph BookOblique	LubalinGraph, Italic
LubalinGraph-DemiOblique	Lubalin Graph DemiOblique	LubalinGraph, Bold Italic
Marigold	Marigold	Marigold
MonaLisa-Recut	Mona Lisa Recut	Mona Lisa Recut
NewCenturySchlbk-Roman	New Century Schlbk	NewCenturySchlbk
NewCenturySchlbk-Bold	New Century Schlbk Bold	NewCenturySchlbk, Bold
NewCenturySchlbk-Italic	New Century Schlbk Italic	NewCenturySchlbk, Italic
NewCenturySchlbk-BoldItalic	New Century Schlbk BoldIt	NewCenturySchlbk, Bold Italic
Optima	Optima	Optima
Optima-Bold	Optima Bold	Optima, Bold
Optima-Italic	Optima Italic	Optima, Italic
Optima-BoldItalic	Optima BoldItalic	Optima, Bold Italic
Oxford	Oxford	Oxford
Palatino-Roman	Palatino	Palatino
Palatino-Bold	Palatino Bold	Palatino, Bold
Palatino-Italic	Palatino Italic	Palatino, Italic
Palatino-BoldItalic	Palatino BoldItalic	Palatino, Bold Italic
StempelGaramond-Roman	StempelGaramond Roman	StempelGaramond Roman
StempelGaramond-Bold	StempelGaramond Bold	StempelGaramond Roman, Bold
StempelGaramond-Italic	StempelGaramond Italic	StempelGaramond Roman, Italic
StempelGaramond-BoldItalic	StempelGaramond BoldItalic	StempelGaramond Roman, Bold Italic
Symbol	Symbol	Symbol
Tekton	Tekton	Tekton
Times-Roman	Times	Times
Times-Bold	Times Bold	Times, Bold
Times-Italic	Times Italic	Times, Italic
Times-BoldItalic	Times BoldItalic	Times, Bold Italic
TimesNewRomanPS-BoldMT	Times New Roman Bold	Times New Roman, Bold
TimesNewRomanPS-BoldItalicMT	Times New Roman Bold Italic	Times New Roman, Bold Italic
TimesNewRomanPS-ItalicMT	Times New Roman Italic	Times New Roman, Italic
TimesNewRomanPSMT	Times New Roman	Times New Roman
Univers-Extended	Univers Extended	Univers Extended

PostScript name:	Mac OS menu name:	Windows menu name, style:
Univers-BoldExt	Univers BoldExt	Univers Extended, Bold
Univers-ExtendedObl	Univers ExtendedObl	Univers Extended, Italic
Univers-BoldExtObl	Univers BoldExtObl	Univers Extended, Bold Italic
Univers-Light	Univers 45 Light	Univers 45 Light
Univers-Bold	Univers 65 Bold	Univers 45 Light, Bold
Univers-LightOblique	Univers 45 LightOblique	Univers 45 Light, Italic
Univers-BoldOblique	Univers 65 BoldOblique	Univers 45 Light, Bold Italic
Univers	Univers 55	Univers 55
Univers-Oblique	Univers 55 Oblique	Univers 55, Italic
Univers-CondensedBold	Univers 67 CondensedBold	Univers 47 CondensedLight, Bold
Univers-CondensedBoldOblique	Univers 67 CondensedBoldObl	Univers 47 CondensedLight, Bold Italic
Univers-Condensed	Univers 57 Condensed	Univers 57 Condensed
Univers-CondensedOblique	Univers 57 CondensedOblique	Univers 57 Condensed, Italic
ZapfChancery-MediumItalic	Zapf Chancery	ZapfChancery
ZapfDingbats	Zapf Dingbats	ZapfDingbats

TrueType fonts

The ColorPASS includes 10 TrueType fonts:

PostScript name:	Mac OS menu name:	Windows menu name, style:
Apple-Chancery	Apple Chancery	Apple Chancery
Chicago	Chicago	Chicago
Geneva	Geneva	Geneva
HoeferText-Black	Hoefer Text Black	Hoefer Text Black
HoeferText-BlackItalic	Hoefer Text Black	Hoefer Text Black, Italic
HoeferText-Italic	Hoefer Text	Hoefer Text, Italic
HoeferText-Regular	Hoefer Text	Hoefer Text
Monaco	Monaco	Monaco
New York	New York	New York
Wingdings-Regular	Wingdings	Wingdings

Appendix C: Troubleshooting

This appendix provides troubleshooting tips.

Maintaining optimal system performance

The ColorPASS does not require maintenance. Beyond the routine requirements of servicing and maintaining the copier and replenishing consumables, there are a few things you can do to improve the overall performance of your system:

- Reduce unnecessary two-way communication.

If users notice that the server is frequently too busy to receive jobs, it may be because several users are running utilities that are updated often. Large numbers of remote users running Fiery Downloader or the Fiery WebTools may have a significant effect on ColorPASS performance.

- Schedule the printing workload by checking job ticket information before printing.

Print jobs with the same output and paper specifications together to minimize paper changes. Also, print routine jobs while you prepare to print jobs with special instructions or special media.

- Reduce unnecessary server connections at the Command WorkStation.

If you use a second or third ColorPASS on an occasional basis, performance will be improved if you log off when you are not using it.

- Avoid printing with the server “Disk full” warning.

If you see this warning, delete jobs from the Queues window that have been held for a long time and are not likely to be needed. Avoid this condition by deleting old jobs on a regular basis. The date associated with a job is the original date it was sent.



Troubleshooting

In case of problems, and before you call for service, check the guidelines in this section. If you are unable to resolve the problem, make a note of the error condition and contact your authorized service/support center.

This section provides some troubleshooting guidelines should a problem arise. If you are unable to resolve a problem after referring to this section, contact your site operator or administrator. Also, make sure there are no applications installed on the ColorPASS, with the exception of the client utilities from the User Software CD. Applications other than the client utilities are not supported and can cause system problems.

General printing problems

If this happens:	Try this:
You cannot connect to a ColorPASS.	<ul style="list-style-type: none">• Make sure that the ColorPASS is not being calibrated from the Control Panel. If the ColorPASS is being calibrated from the Control Panel, you can select it in the Chooser, but you cannot connect to it. This ensures that only one person is calibrating at any time and that print jobs do not use unexpected calibration.
You cannot select or view one of the queues.	<ul style="list-style-type: none">• Have your system administrator enable the queue in Setup.
You cannot connect to the ColorPASS from a Windows computer with the Command WorkStation or Fiery utilities.	<ul style="list-style-type: none">• Make sure the connection is configured correctly. For instructions, see <i>Getting Started</i>.
Printing seems to take too long.	<ul style="list-style-type: none">• Print to a queue instead of to the Direct connection. When you print to a queue, the job is stored on the ColorPASS until it can be processed and printed; when you print to the Direct connection, the job cannot be sent to the ColorPASS until the previous job is finished processing, so you must wait longer to use your computer.



If this happens:	Try this:
One or more Media Type options are dimmed.	<ul style="list-style-type: none">• Select a Paper Source that supports the Media Type you are using. For information on requirements and constraints pertaining to special papers and transparencies, see Appendix A, “Print Options.”
ColorPASS doesn’t respond to a Print command.	<ul style="list-style-type: none">• Has someone disconnected the copier by selecting Suspend Printing from the Functions menu? If the administrator or operator has selected Suspend Printing on the ColorPASS Control Panel or Command WorkStation to interrupt printing, your print job will not resume until someone selects Resume Printing from the Functions menu on the Control Panel or clicks the function key on the Command WorkStation.• Did you select the ColorPASS as the current printer? Before printing, you must select the ColorPASS as the current printer from your Windows computer, Mac OS computer, or UNIX workstation.• Make sure that the copier is switched on. Someone may have turned the copier off, or the Automatic Power-Off or Power Saver mode function may have engaged. Even with the copier off, the ColorPASS appears in the Chooser as long as the ColorPASS itself is turned on.• If you are printing over an IPX (Novell) network, verify through the PCONSOLE utility that the job was sent to the Novell queue and that the queue is being used by the ColorPASS.• Make sure that the job does not contain a PostScript error. Check with the operator, or use Command WorkStation, Fiery WebSpooler, or Fiery Spooler to check the job’s status. A job containing a PostScript error appears in red. To obtain information on the PostScript error, make sure the Print to PS Error option is set to Yes in ColorPASS Setup. See the <i>Configuration Guide</i> for more information.
You cannot print with QuarkXPress 3.32 using the PSPrinter 8.6 driver on a Mac OS computer.	<ul style="list-style-type: none">• Remove the file called Balloon Help from your QuarkXPress application folder and relaunch QuarkXPress.



Problems with print quality

For information about printing with specific applications and about optimizing color output, see the *Color Guide*.

If this happens:	Try this:
Print settings for your job output do not match the settings you gave.	<ul style="list-style-type: none">• Make sure that you did not override the setting for the job in another place. For information about options and overrides, see Appendix A, “Print Options.”
You get poor printing results.	<ul style="list-style-type: none">• Does your application require one of ColorPASS’s printer description files? If you’re printing from Adobe PageMaker, make sure that the ColorPASS printer description file is installed correctly. For information about installing these files, see <i>Getting Started</i>.• Try a different Copier Mode option.• Make sure the system has been calibrated. For instructions, see the <i>Color Guide</i>.
Separations do not combine properly.	<ul style="list-style-type: none">• Make sure that the file was initially created as separations.• If you are printing separations or a DCS format file, set the Combine Separations print option to On. With Combine Separations On, all four colors will be printed on a single page; with Combine Separations Off, four black-and-white pages will print to simulate four single-color plates.
The registration or colors of an image are not what you expected.	<ul style="list-style-type: none">• Ask the administrator to print a test page with the copier. The problem may be with the copier. If your test page shows that the copier is working properly, correct the problem within your application software. If the test page is wrong, your copier may need to be calibrated or adjusted in some other way.
Your printed file appears too dark.	<ul style="list-style-type: none">• Adjust the Brightness option. You can use the Brightness option when printing from an application or from Fiery Downloader to lighten your image whenever you print a PostScript or Encapsulated PostScript (EPS) file.



If this happens:	Try this:
Color output is incorrect.	<ul style="list-style-type: none">• Check with the administrator about the current calibration information. The copier may need to be recalibrated because it has been too long since it was calibrated or because it is using a different target.
Color file prints in black and white.	<ul style="list-style-type: none">• In the Color Matching dialog box, make sure that Color/Grayscale or ColorSync Color Matching or PostScript Color Matching is selected (not Black and White).• Make sure that the Print Mode print option is set to CMYK or Standard Color/Expert Color (Windows 95/98/Me) and not Grayscale.
Desktop Color Separations (DCS) format images print incorrectly.	<ul style="list-style-type: none">• Make sure that you selected the correct options to send separations in the application's Print dialog box.• Make sure that you have the file for every layer of separation that you are printing.• Set the Combine Separations option to On. With Combine Separations On, all four colors will be printed on a single page; with Combine Separations Off, four black-and-white pages will print to simulate four single-color plates.
QuickDraw fill patterns print as solids.	<ul style="list-style-type: none">• Use the Adobe PostScript Printer driver (or the Apple LaserWriter 8.3 or later printer driver).

Problems with Fiery Downloader

If this happens:	Try this:
General problems	<ul style="list-style-type: none">• Make sure that you are using the latest version. If you are updating your ColorPASS software, delete the previous version of Fiery Downloader from your Windows or Mac OS computer and install the latest version to insure full compatibility.• Make sure the connection is configured correctly. For instructions, see <i>Getting Started</i>.



If this happens:	Try this:
You cannot connect to the ColorPASS from Fiery Downloader.	<ul style="list-style-type: none">• Make sure that the ColorPASS is not being calibrated from the Control Panel. If the ColorPASS is being calibrated from the Control Panel, you can select it in the Chooser, but you cannot connect to it. This ensures that only one person is calibrating the server at any time and that print jobs do not use unexpected calibration.
You can't print an EPS file using Fiery Downloader.	<ul style="list-style-type: none">• Try printing using the 'showpage' after EPS files (Windows) or 'showpage' (Mac OS) option in the Download PostScript File dialog box. This option adds a showpage PostScript language command at the end of the print job. Certain applications omit this necessary PostScript language command when they generate EPS files. You'll need to select the Append Showpage option when printing EPS files generated by these applications. If you continue having difficulties printing an EPS file with Fiery Downloader, try printing the file from the application in which it was created.• Make sure the EPS file was saved <i>without</i> a preview image header. Preview image headers are useful when images are placed in documents with page layout applications, but they cause problems when images are downloaded directly.• Make sure that the job does not contain a PostScript error. Check with the operator, or use the Command WorkStation, Fiery WebSpooler, or Fiery Spooler to check the job's status. Jobs with a PostScript error appear with an Error icon.
You have problems downloading a font with Fiery Downloader.	<ul style="list-style-type: none">• Check with the administrator to make sure that the Direct connection is enabled. The Direct connection must be used to download fonts.
Extra blank page prints after a Fiery Downloader job.	<ul style="list-style-type: none">• Turn off the 'showpage' after EPS files (Windows) or 'showpage' (Mac OS) option. This option adds a special PostScript command that will cause an extra blank page to print if it is not needed.



Problems with Fiery Scan

If this happens:	Try this:
Fiery Scan main window does not appear after launching.	<ul style="list-style-type: none">• Check to see if the TWAIN module(s) installed by Adobe Photoshop are located in the correct folder. If not, reinstall Adobe Photoshop software.

Problems with Fiery WebTools

If this happens:	Try this:
You cannot connect to Fiery WebTools, or it takes a long time to connect.	<ul style="list-style-type: none">• Check with the administrator to make sure Web Services are enabled in ColorPASS Setup.• Make sure you have the correct IP address or DNS name for the ColorPASS. Check with the administrator or print a Configuration page from the ColorPASS Control Panel.• Clear the history (Microsoft Internet Explorer).

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